TABLES OF LOGARITHMS.

No.	Log.	Prop. Part.	No.	Log.	Prop. Part.	No.	Log.	Prop. Part.	No.	Log.	Prop. Part.
1000	000000		1060	025306		1120	049218		1180	071882	
1	000434	43	1	025715	41	1	049606	39	1	072250	37
2	000868	86	2	026124	82	2	049993	77	2	072617	73
3	001301	130	3	026533	122	3	050380	116	3	072985	110
4	001734	173	4	026942	163	4	050766	154	4	073352	147
5	002166	216	5	027350	204	5	051152	193	5	073718	183
6	002598	259	6	027757	245	6	051538	232	6	074085	220
7	003029	303	7	028164	286	7	051924	270	7	074451	256
8	003460	346	8	028571	326	8	052309	309	8	074816	293
9	003891	389	9	028978	367	9	052694	347	9	075182	330
1010	004321		1070	029384		1130	053078		1190	075547	
1	004751	43	1	029789	40	1	053463	38	1	675912	36
2	005180	86	2	030195	81	2	053846	77	2	076276	73
3	005609	128	3	030600	121	3	054230	115	3	076640	109
4	006038	171	4	031004	162	4	054613	153	4	077004	145
5	006466	214	5	031408	202	5	054996	191	5	077368	181
6	006894	257	6	031812	242	6	055378	230	6	077731	218
7	007321	300	7	032216	283	7	055760	268	7	078094	254
8	007748	343	8	032619	323	8	056142	306	8	078457	290
9	008174	385	9	033021	364	9	056524	345	9	078819	327
1020	008600		1080	033424		1140	056905		1200	079181	
1	009026	42	1	033826	40	1	057286	38	1	079543	36
2	009451	85	2	034227	80	2	057666	76	2	079904	72
3	009876	127	3	034628	120	3	058046	114	3	080266	108
4	010300	170	4	035029	160	4	058426	152	4	080626	144
5	010724	212	5	035430	200	5	058805	190	5	080987	180
6	011147	254	6	035830	240	6	059185	228	6	081347	216
7	011570	297	7	036229	280	7	059563	266	7	081707	252
8	011993	339	8	036629	321	8	059942	304	8	082067	288
9	012415	382	9	037028	361	9	060320	342	9	082426	324
1030	012837		1090	037426		1150	060698		1210	082785	
1	013259	42	1	037825	40	1	061075	38	1	083144	36
2	013680	84	2	038223	79	2	061452	75	2	083503	71
3	014100	126	3	038620	119	3	061829	113	3	083861	107
4	014520	168	4	039017	159	4	062206	160	4	084219	143
5	014940	210	5	039414	198	5	062582	188	5	084576	179
6	015360	252	6	039811	238	6	062958	226	6	084934	214
7	015779	294	7	040207	278	7	063333	263	7	085291	250
8	016197	336	8	040602	318	8	063709	301	8	085647	286
9	016615	378	9	040998	357	9	064083	338	9	086004	322
1040	017033		1100	041393		1160	064458		1220	086360	
1	017451	42	1	041787	39	1	064832	37	1	086716	35
2	017868	83	2	042182	79	2	065206	75	2	087071	71
3	018284	125	3	042575	118	3	065580	112	3	087426	106
4	018700	166	4	042969	157	4	065953	149	4	087781	142
5	019116	208	5	043362	196	5	066326	186	5	088136	177
6	019532	250	6	043755	236	6	066699	224	6	088490	213
7	019947	291	7	044148	275	7	067071	261	7	088845	248
8	020361	333	8	044540	314	8	067443	298	8	089198	284
9	020775	374	9	044931	354	9	067814	336	9	089552	319
1050	021189		1110	045323		1170	068186		1230	089905	
1	021603	41	1	045714	39	1	068557	37	1	090258	35
2	022016	82	2	046105	78	2	068928	74	2	090611	70
3	022428	124	3	046495	117	3	069298	111	3	090963	106
4	022841	165	4	046885	156	4	069668	148	4	091315	141
5	023252	206	5	047275	195	5	070038	185	5	091667	176
6	023664	247	6	047664	234	6	070407	222	6	092018	211
7	024075	288	7	048053	273	7	070776	259	7	092370	246
8	024486	330	8	048442	312	8	071145	296	8	092721	282
9	024896	371	9	048830	351	9	071514	333	9	093071	317

No.	Log.	Prop. Part.	No.	Log.	Prop. Part.	No.	Log.	Prop. Part.	No.	Log.	Prop. Part.
1240	093422		1300	113943		1360	133539		1420	152288	
1	093772	35	1	114277	33	1	133858	32	1	152594	30
2	094122	70	2	114611	67	2	134177	64	2	152900	61
3	094471	105	3	114944	100	3	134496	96	3	153205	91
4	094820	140	4	115278	133	4	134814	127	4	153510	122
5	095169	175	5	115610	167	5	135133	159	5	153815	152
6	095518	210	6	115943	200	6	135451	191	6	154119	183
7	095866	245	7	116276	233	7	135768	223	7	154424	213
8	096215	280	8	116608	267	8	136086	255	8	154728	244
9	096562	315	9	116940	300	9	136403	287	9	155032	274
1250	096910		1310	117271		1370	136721		1430	155336	
1	097257	35	1	117603	33	1	137037	32	1	155640	30
2	097604	69	2	117934	66	2	137354	63	2	155943	60
3	097951	104	3	118265	99	3	137670	94	3	156246	91
4	098297	138	4	118595	132	4	137987	126	4	156549	121
5	098644	173	5	118926	165	5	138303	158	5	156852	151
6	098990	208	6	119256	198	6	138618	189	6	157154	181
7	099335	242	7	119586	231	7	138934	221	7	157457	211
8	099681	277	8	119915	264	8	139249	252	8	157759	242
9	100026	311	9	120245	297	9	139564	284	9	158061	272
1260	100370		1320	120574		1380	139879		1440	158362	
1	100715	34	1	120903	33	1	140194	31	1	158664	30
2	101059	69	2	121231	66	2	140508	63	2	158965	60
3	101403	103	3	121560	98	3	140822	94	3	159266	90
4	101747	137	4	121888	131	4	141136	125	4	159567	120
5	102090	172	5	122216	164	5	141450	157	5	159868	150
6	102434	206	6	122543	197	6	141763	188	6	160168	180
7	102777	240	7	122871	230	7	142076	219	7	160468	210
8	103119	275	8	123198	262	8	142389	251	8	160769	240
9	103462	309	9	123525	295	9	142702	282	9	161068	270
1270	103804		1330	123852		1390	143015		1450	161368	
1	104146	34	1	124178	33	1	143327	31	1	161667	30
2	104487	68	2	124504	65	2	143639	62	2	161967	60
3	104828	102	3	124830	98	3	143951	93	3	162266	89
4	105169	136	4	125156	130	4	144263	125	4	162564	119
5	105510	170	5	125481	163	5	144574	156	5	162863	149
6	105851	204	6	125806	195	6	144885	187	6	163161	179
7	106191	238	7	126131	228	7	145196	218	7	163460	209
8	106531	272	8	126456	260	8	145507	249	8	163757	239
9	106870	306	9	126781	293	9	145818	280	9	164055	269
1280	107210		1340	127105		1400	146128		1460	164353	
1	107549	34	1	127429	32	1	146438	31	1	164650	30
2	107888	67	2	127752	65	2	146748	62	2	164947	59
3	108227	101	3	128076	97	3	147058	93	3	165244	89
4	108565	135	4	128399	129	4	147367	124	4	165541	119
5	108903	169	5	128722	161	5	147676	155	5	165838	148
6	109241	203	6	129045	194	6	147985	186	6	166134	178
7	109578	237	7	129368	226	7	148294	217	7	166430	207
8	109916	270	8	129690	258	8	148603	248	8	166726	237
9	110253	304	9	130012	291	9	148911	279	9	167022	267
1290	110590		1350	130334		1410	149219		1470	167317	
1	110926	34	1	130655	32	1	149527	31	1	167613	29
2	111262	67	2	130977	64	2	149835	61	2	167908	59
3	111598	101	3	131298	96	3	150142	92	3	168203	88
4	111934	134	4	131619	128	4	150449	123	4	168497	118
5	112270	168	5	131939	160	5	150756	154	5	168792	147
6	112605	201	6	132260	192	6	151063	184	6	169086	177
7	112940	235	7	132580	224	7	151370	215	7	169380	206
8	113275	268	8	132900	256	8	151676	246	8	169674	236
9	113609	302	9	133219	288	9	151982	277	9	169968	265

No.	Log.	Prop. Part.	No.	Log.	Prop. Part.	No.	Log.	Prop. Part.	No.	Log.	Prop. Part.
1480	170262		1540	187521		1600	204120		1660	220108	
1	170555	29	1	187803	28	1	204391	27	1	220370	26
2	170848	58	2	188084	56	2	204662	54	2	220631	52
3	171141	88	3	188366	84	3	204933	81	3	220892	78
4	171434	117	4	188647	113	4	205204	108	4	221153	104
5	171726	146	5	188928	141	5	205475	135	5	221414	130
6	172019	175	6	189209	169	6	205745	162	6	221675	157
7	172311	204	7	189490	197	7	206016	189	7	221936	183
8	172603	234	8	189771	225	8	206286	216	8	222196	209
9	172895	263	9	190051	253	9	206556	243	9	222456	235
1490	173186		1550	190332		1610	206826		1670	222716	
1	173478	29	1	190612	28	1	207095	27	1	222976	26
2	173769	58	2	190892	56	2	207365	54	2	223236	52
3	174060	87	3	191171	84	3	207634	81	3	223496	78
4	174351	116	4	191451	112	4	207903	108	4	223755	104
5	174641	145	5	191730	140	5	208172	135	5	224015	130
6	174932	175	6	192010	168	6	208441	162	6	224274	156
7	175222	204	7	192289	196	7	208710	188	7	224533	182
8	175512	233	8	192567	224	8	208978	215	8	224792	208
9	175802	261	9	192846	252	9	209247	241	9	225051	234
1500	176091		1560	193125		1620	209515		1680	225309	
1	176381	29	1	193403	28	1	209783	27	1	225568	26
2	176670	58	2	193681	56	2	210051	54	2	225826	52
3	176959	86	3	193959	83	3	210318	80	3	226084	77
4	177248	115	4	194237	111	4	210586	107	4	226342	103
5	177536	144	5	194514	139	5	210853	134	5	226600	129
6	177825	173	6	194792	166	6	211120	161	6	226858	155
7	178113	202	7	195069	194	7	211388	187	7	227115	181
8	178401	231	8	195346	222	8	211654	214	8	227372	206
9	178689	259	9	195623	250	9	211921	240	9	227630	232
1510	178977		1570	195900		1630	212188		1690	227887	
1	179264	29	1	196176	27	1	212454	27	1	228144	26
2	179552	57	2	196452	55	2	212720	53	2	228400	51
3	179839	86	3	196729	83	3	212986	80	3	228657	77
4	180126	115	4	197005	110	4	213252	106	4	228913	102
5	180413	144	5	197281	138	5	213518	133	5	229170	128
6	180699	172	6	197556	166	6	213783	159	6	229426	154
7	180986	201	7	197832	193	7	214049	186	7	229682	179
8	181272	230	8	198107	221	8	214314	212	8	229938	205
9	181558	258	9	198382	248	9	214579	239	9	230193	231
1520	181844		1580	198657		1640	214844		1700	230449	
1	182129	28	1	198932	27	1	215109	26	1	230704	25
2	182415	57	2	199206	55	2	215373	53	2	230960	51
3	182700	86	3	199481	82	3	215638	79	3	231215	76
4	182985	114	4	199755	110	4	215902	106	4	231470	102
5	183270	143	5	200029	137	5	216166	132	5	231724	127
6	183554	171	6	200303	164	6	216430	158	6	231979	153
7	183839	200	7	200577	192	7	216694	185	7	232233	178
8	184123	228	8	200850	219	8	216957	211	8	232488	204
9	184407	256	9	201124	247	9	217221	238	9	232742	229
1530	184691		1590	201397		1650	217484		1710	232996	
1	184975	28	1	201670	27	1	217747	26	1	233250	25
2	185259	57	2	201943	54	2	218010	52	2	233504	51
3	185542	85	3	202216	82	3	218273	79	3	233757	76
4	185825	113	4	202488	109	4	218535	105	4	234011	101
5	186108	142	5	202761	136	5	218798	131	5	234264	127
6	186391	170	6	203033	163	6	219060	157	6	234517	152
7	186674	198	7	203305	191	7	219322	183	7	234770	177
8	186956	227	8	203577	218	8	219584	210	8	235023	202
9	187239	255	9	203848	245	9	219846	236	9	235276	228

No.	Log.	Prop. Part.	No.	Log.	Prop. Part.	No.	Log.	Prop. Part.	No.	Log.	Prop. Part.
1720	235528		1780	250420		1840	264818		1900	278754	
1	235781	25	1	250664	24	1	265054	23	1	278982	23
2	236033	50	2	250908	49	2	265290	47	2	279210	45
3	236285	76	3	251151	73	3	265525	70	3	279439	68
4	236537	101	4	251395	97	4	265761	94	4	279667	91
5	236789	126	5	251638	121	5	265996	117	5	279895	114
6	237041	151	6	251881	146	6	266232	141	6	280123	137
7	237292	176	7	252125	171	7	266467	164	7	280351	160
8	237544	202	8	252367	195	8	266702	188	8	280578	182
9	237795	227	9	252610	219	9	266937	211	9	280806	205
1730	238046		1790	252853		1850	267172		1910	281033	
1	238297	25	1	253096	24	1	267406	23	1	281261	23
2	238548	50	2	253338	48	2	267641	47	2	281488	45
3	238799	75	3	253580	73	3	267875	70	3	281715	68
4	239049	100	4	253822	97	4	268110	94	4	281942	91
5	239299	125	5	254064	121	5	268344	117	5	282169	113
6	239550	150	6	254306	145	6	268578	141	6	282395	136
7	239800	175	7	254548	170	7	268812	164	7	282622	159
8	240050	200	8	254790	194	8	269046	188	8	282849	181
9	240300	225	9	255031	218	9	269279	211	9	283075	204
1740	240549		1800	255273		1860	269513		1920	283301	
1	240799	25	1	255514	24	1	269746	23	1	283527	23
2	241048	50	2	255755	48	2	269980	47	2	283753	45
3	241297	75	3	255996	72	3	270213	70	3	283979	68
4	241546	100	4	256236	96	4	270446	93	4	284205	90
5	241795	124	5	256477	120	5	270679	116	5	284431	113
6	242044	149	6	256718	144	6	270912	140	6	284656	135
7	242293	174	7	256958	168	7	271144	163	7	284882	158
8	242541	199	8	257198	192	8	271377	186	8	285107	180
9	242790	223	9	257439	216	9	271609	210	9	285332	203
1750	243038		1810	257679		1870	271842		1930	285557	
1	243286	25	1	257918	24	1	272074	23	1	285782	22
2	243534	50	2	258158	48	2	272306	46	2	286007	45
3	243782	74	3	258398	72	3	272538	70	3	286232	67
4	244030	99	4	258637	96	4	272776	93	4	286456	89
5	244277	124	5	258877	120	5	273001	116	5	286681	112
6	244524	149	6	259116	144	6	273233	139	6	286905	134
7	244772	174	7	259355	167	7	273464	162	7	287130	157
8	245019	198	8	259594	192	8	273696	186	8	287354	179
9	245266	222	9	259833	215	9	273927	209	9	287578	202
1760	245513		1820	260071		1880	274158		1940	287802	
1	245759	25	1	260310	24	1	274389	23	1	288025	22
2	246006	49	2	260548	48	2	274620	46	2	288249	45
3	246252	74	3	260787	71	3	274850	69	3	288473	67
4	246499	98	4	261025	95	4	275081	92	4	288696	89
5	246745	123	5	261263	119	5	275311	115	5	288920	112
6	246991	148	6	261501	143	6	275542	138	6	289143	134
7	247236	173	7	261738	167	7	275772	161	7	289366	156
8	247482	197	8	261976	191	8	276002	184	8	289589	178
9	247728	221	9	262214	214	9	276232	207	9	289812	201
1770	247973		1830	262451		1890	276462		1950	290035	
1	248219	25	1	262688	24	1	276691	23	1	290257	22
2	248464	49	2	262925	47	2	276921	46	2	290480	44
3	248709	74	3	263162	71	3	277151	69	3	290702	67
4	248954	98	4	263399	95	4	277380	92	4	290925	89
5	249198	123	5	263636	118	5	277609	115	5	291147	111
6	249443	147	6	263873	142	6	277838	138	6	291369	133
7	249687	172	7	264109	166	7	278067	161	7	291591	156
8	249932	196	8	264345	190	8	278296	183	8	291813	178
9	250176	220	9	264582	213	9	278525	206	9	292034	200

No.	Log.	Prop. Part.	No.	Log.	Prop. Part.	No.	Log.	Prop. Part.	No.	Log.	Prop. Part.
1960	292256		2020	305351		2080	318063		2140	330414	
1	292478	22	1	305566	21	1	318272	21	1	330617	20
2	292699	44	2	305781	43	2	318481	42	2	330819	40
3	292920	66	3	305996	64	3	318689	63	3	331022	61
4	293141	88	4	306211	86	4	318898	83	4	331225	81
5	293363	110	5	306425	107	5	319106	104	5	331427	101
6	293583	133	6	306639	129	6	319314	125	6	331630	121
7	293804	155	7	306854	150	7	319522	146	7	331832	141
8	294025	177	8	307068	172	8	319730	167	8	332034	162
9	294246	199	9	307282	193	9	319938	188	9	332236	182
1970	294466		2030	307496		2090	320146		2150	332438	
1	294687	22	1	307710	21	1	320354	21	1	332640	20
2	294907	44	2	307924	43	2	320562	41	2	332842	40
3	295127	66	3	308137	64	3	320769	62	3	333044	60
4	295347	88	4	308351	85	4	320977	83	4	333246	81
5	295567	110	5	308564	107	5	321184	104	5	333447	101
6	295787	132	6	308778	128	6	321391	125	6	333649	121
7	296007	154	7	308991	149	7	321598	145	7	333850	141
8	296226	176	8	309204	171	8	321805	166	8	334051	161
9	296446	198	9	309417	192	9	322012	187	9	334253	181
1980	296665		2040	309630		2100	322219		2160	334454	
1	296884	22	1	309843	21	1	322426	21	1	334655	20
2	297104	44	2	310056	43	2	322633	41	2	334856	40
3	297323	66	3	310268	64	3	322839	62	3	335056	60
4	297542	88	4	310481	85	4	323046	82	4	335257	80
5	297761	109	5	310693	106	5	323252	103	5	335458	100
6	297979	131	6	310906	127	6	323458	124	6	335658	120
7	298198	153	7	311118	148	7	323665	144	7	335859	140
8	298416	175	8	311330	170	8	323871	165	8	336059	160
9	298635	197	9	311542	191	9	324077	186	9	336260	180
1990	298853		2050	311754		2110	324282		2170	336460	
1	299071	22	1	311966	21	1	324488	21	1	336660	20
2	299289	44	2	312177	42	2	324694	41	2	336860	40
3	299507	65	3	312389	63	3	324899	62	3	337060	60
4	299725	87	4	312600	84	4	325105	82	4	337260	80
5	299943	109	5	312812	106	5	325310	103	5	337459	100
6	300160	131	6	313023	127	6	325516	123	6	337659	120
7	300378	153	7	313234	148	7	325721	144	7	337858	140
8	300595	174	8	313445	160	8	325926	164	8	338058	160
9	300813	196	9	313656	190	9	326131	185	9	338257	180
2000	301030		2060	313867		2120	326336		2180	338456	
1	301247	22	1	314078	21	1	326541	20	1	338656	20
2	301464	43	2	314289	42	2	326745	41	2	338855	40
3	301681	65	3	314499	63	3	326950	61	3	339054	60
4	301898	87	4	314710	84	4	327155	82	4	339253	80
5	302114	108	5	314920	105	5	327359	102	5	339451	100
6	302331	130	6	315130	126	6	327563	123	6	339650	119
7	302547	152	7	315340	147	7	327767	143	7	339849	139
8	302764	173	8	315550	168	8	327972	164	8	340047	159
9	302980	195	9	315760	189	9	328176	184	9	340246	179
2010	303196		2070	315970		2130	328380		2190	340444	
1	303412	22	1	316180	21	1	328583	20	1	340642	20
2	303628	43	2	316390	42	2	328787	41	2	340841	40
3	303844	65	3	316599	63	3	328991	61	3	341039	59
4	304059	86	4	316809	84	4	329194	81	4	341237	79
5	304275	108	5	317018	105	5	329398	102	5	341435	99
6	304490	129	6	317227	126	6	329601	122	6	341632	119
7	304706	151	7	317436	147	7	329805	142	7	341830	139
8	304921	172	8	317645	168	8	330008	163	8	342028	158
9	305136	194	9	317854	189	9	330211	183	9	342225	178

No.	Log.	Prop. Part.	No.	Log.	Prop. Part.	No.	Log.	Prop. Part.	No.	Log.	Prop. Part.
2200	342423		2260	354108		2320	365488		2380	376577	
1	342620	20	1	354301	19	1	365675	19	1	376759	18
2	342817	39	2	354493	38	2	365862	37	2	376942	36
3	343014	59	3	354685	58	3	366049	56	3	377124	55
4	343212	79	4	354876	77	4	366236	75	4	377306	73
5	343409	99	5	355068	96	5	366423	93	5	377488	91
6	343606	118	6	355260	115	6	366610	112	6	377670	109
7	343802	138	7	355452	134	7	366796	131	7	377852	127
8	343999	158	8	355643	154	8	366983	150	8	378034	146
9	344196	178	9	355834	173	9	367169	168	9	378216	164
2210	344392		2270	356026		2330	367356		2390	378398	
1	344589	20	1	356217	19	1	367542	19	1	378580	18
2	344785	39	2	356408	38	2	367729	37	2	378761	36
3	344981	59	3	356599	57	3	367915	56	3	378943	55
4	345178	78	4	356790	76	4	368101	75	4	379124	73
5	345374	98	5	356981	95	5	368287	93	5	379306	91
6	345570	118	6	357172	115	6	368473	112	6	379487	109
7	345766	137	7	357363	134	7	368659	130	7	379668	127
8	345962	157	8	357554	153	8	368844	149	8	379849	146
9	346157	176	9	357744	172	9	369030	167	9	380030	164
2220	346353		2280	357935		2340	369216		2400	380211	
1	346549	19	1	358125	19	1	369401	19	1	380392	18
2	346744	39	2	358316	38	2	369587	37	2	380573	36
3	346939	58	3	358506	57	3	369772	56	3	380754	55
4	347135	78	4	358696	76	4	369958	74	4	380934	73
5	347330	97	5	358886	95	5	370143	93	5	381115	91
6	347525	117	6	359076	114	6	370328	111	6	381296	109
7	347720	137	7	359266	133	7	370513	130	7	381476	127
8	347915	156	8	359456	152	8	370698	148	8	381656	145
9	348110	175	9	359646	171	9	370883	167	9	381837	163
2230	848305		2290	359835		2350	371068		2410	382017	
1	848500	19	1	360025	19	1	371253	18	1	382197	18
2	848694	39	2	360215	38	2	371437	37	2	382377	36
3	348889	58	3	360404	57	3	371622	55	3	382557	54
4	349083	78	4	360593	76	4	371806	74	4	382737	72
5	349278	97	5	360783	95	5	371991	92	5	382917	90
6	349472	117	6	360972	114	6	372175	111	6	383097	108
7	349666	137	7	361161	133	7	372360	129	7	383277	126
8	349860	156	8	361350	152	8	372544	148	8	383456	144
9	350054	175	9	361539	171	9	372728	166	9	383636	162
2240	350248		2300	361728		2360	372912		2420	383815	
1	350442	19	1	361917	19	1	373096	18	1	383995	18
2	350636	39	2	362105	38	2	373280	37	2	384174	36
3	350829	58	3	362294	56	3	373464	55	3	384353	54
4	351023	77	4	362482	75	4	373647	74	4	384533	72
5	351216	97	5	362671	94	5	373831	92	5	384712	90
6	351410	116	6	362859	113	6	374015	110	6	384891	108
7	351603	135	7	363048	132	7	374198	129	7	385070	126
8	351796	155	8	363236	151	8	374382	147	8	385249	144
9	351989	174	9	363424	170	9	374565	166	9	385428	162
2250	352182		2310	363612		2370	374748		2430	385606	
1	352375	19	1	363800	19	1	374932	18	1	385785	18
2	352568	38	2	363988	37	2	375115	37	2	385964	35
3	352761	58	3	364176	56	3	375298	55	3	386142	53
4	352954	77	4	364363	75	4	375481	73	4	386321	71
5	353147	96	5	364551	94	5	375664	92	5	386499	89
6	353339	115	6	364739	112	6	375846	110	6	386677	107
7	353532	134	7	364926	131	7	376029	128	7	386856	125
8	353724	154	8	365113	150	8	376212	147	8	387034	143
9	353916	173	9	365301	169	9	376394	165	9	387212	161

No.	Log.	Prop. Part.	No.	Log.	Prop. Part.	No.	Log.	Prop. Part.	No.	Log.	Prop. Part.
2440	387390		2500	397940		2560	408240		2620	418301	
1	387568	18	1	398114	17	1	408410	17	1	418467	17
2	387746	36	2	398287	35	2	408579	34	2	418633	33
3	387923	53	3	398461	53	3	408749	51	3	418798	50
4	388101	71	4	398634	69	4	408918	68	4	418964	66
5	388279	89	5	398808	87	5	409087	85	5	419129	83
6	388456	107	6	398981	104	6	409257	102	6	419295	99
7	388634	125	7	399154	121	7	409426	119	7	419460	116
8	388811	142	8	399327	138	8	409595	136	8	419625	132
9	388989	160	9	399501	156	9	409764	153	9	419791	149
2450	389166		2510	399674		2570	409933		2630	419956	
1	389343	18	1	399847	17	1	410102	17	1	420121	16
2	389520	36	2	400020	35	2	410271	34	2	420286	33
3	389697	53	3	400192	53	3	410440	50	3	420451	49
4	389875	71	4	400365	69	4	410608	67	4	420616	66
5	390051	89	5	400538	87	5	410777	84	5	420781	82
6	390228	107	6	400711	104	6	410946	101	6	420945	99
7	390405	125	7	400883	121	7	411114	118	7	421110	115
8	390582	142	8	401056	138	8	411283	135	8	421275	132
9	390759	160	9	401228	156	9	411451	152	9	421439	148
2460	390935		2520	401400		2580	411620		2640	421604	
1	391112	18	1	401573	17	1	411788	17	1	421768	16
2	391288	35	2	401745	34	2	411956	34	2	421933	33
3	391464	53	3	401917	52	3	412124	50	3	422097	49
4	391641	70	4	402089	69	4	412292	67	4	422261	66
5	391817	88	5	402261	86	5	412460	84	5	422426	82
6	391993	106	6	402433	103	6	412628	101	6	422590	99
7	392169	123	7	402605	120	7	412796	118	7	422754	115
8	392345	141	8	402777	138	8	412964	135	8	422918	132
9	392521	158	9	402949	155	9	413132	152	9	423082	148
2470	392697		2530	403120		2590	413300		2650	423246	
1	392873	18	1	403292	17	1	413467	17	1	423410	16
2	393048	35	2	403464	34	2	413635	33	2	423573	33
3	393224	53	3	403635	52	3	413802	50	3	423737	49
4	393400	70	4	403807	69	4	413970	67	4	423001	65
5	393575	88	5	403978	86	5	414137	84	5	424064	81
6	393751	106	6	404149	103	6	414305	101	6	424228	98
7	393926	123	7	404320	120	7	414472	117	7	424392	114
8	394101	141	8	404492	137	8	414639	134	8	424555	131
9	394276	158	9	404663	154	9	414806	151	9	424718	147
2480	394452		2540	404834		2600	414973		2660	424882	
1	394627	17	1	405005	17	1	415140	17	1	425045	16
2	394802	35	2	405175	34	2	415307	33	2	425208	33
3	394977	53	3	405346	51	3	415474	50	3	425371	49
4	395152	70	4	405517	68	4	415641	67	4	425534	65
5	395326	87	5	405688	85	5	415808	84	5	425697	81
6	395501	104	6	405858	102	6	415974	101	6	425860	98
7	395676	122	7	406029	119	7	416141	117	7	426023	114
8	395850	139	8	406199	136	8	416308	134	8	426186	130
9	396025	157	9	406370	153	9	416474	150	9	426349	147
2490	396199		2550	406540		2610	416640		2670	426511	
1	396374	17	1	406710	17	1	416807	17	1	426674	16
2	396548	35	2	406881	34	2	416973	33	2	426836	33
3	396722	53	3	407051	51	3	417139	50	3	426999	49
4	396896	70	4	407221	68	4	417306	66	4	427161	65
5	397070	87	5	407391	85	5	417472	83	5	427324	81
6	397245	104	6	407561	102	6	417638	100	6	427486	98
7	397418	122	7	407731	119	7	417804	116	7	427648	114
8	397592	139	8	407900	136	8	417970	133	8	427811	130
9	397766	157	9	408070	153	9	418135	149	9	427973	147

No.	Log.	Prop. Part.	No.	Log.	Prop. Part.	No.	Log.	Prop. Part.	No.	Log.	Prop. Part.
2680	428135		2740	437751		2800	447158		2860	456366	
1	428297	16	1	437909	16	1	447313	15	1	456518	15
2	428459	32	2	438067	32	2	447468	31	2	456670	30
3	428621	48	3	438226	47	3	447623	46	3	456821	46
4	428782	65	4	438384	63	4	447778	62	4	456973	61
5	428944	81	5	438542	79	5	447933	77	5	457125	76
6	429106	97	6	438700	95	6	448088	93	6	457276	91
7	429268	113	7	438859	111	7	448242	108	7	457428	106
8	429429	129	8	439017	127	8	448397	124	8	457579	122
9	429591	145	9	439175	143	9	448552	139	9	457730	137
2690	429752		2750	439333		2810	448706		2870	457882	
1	429914	16	1	439491	16	1	448861	15	1	458033	15
2	430075	32	2	439648	32	2	449015	31	2	458184	30
3	430236	48	3	439806	47	3	449170	46	3	458336	45
4	430398	65	4	439964	63	4	449324	62	4	458487	61
5	430559	81	5	440122	79	5	449478	77	5	458638	76
6	430720	97	6	440279	95	6	449633	92	6	458789	91
7	430881	113	7	440437	111	7	449787	108	7	458940	106
8	431042	129	8	440594	126	8	449941	123	8	459091	121
9	431203	145	9	440752	142	9	450095	139	9	459242	136
2700	431364		2760	440909		2820	450249		2880	459392	
1	431525	16	1	441066	16	1	450403	15	1	459543	15
2	431685	32	2	441224	31	2	450557	31	2	459694	30
3	431846	48	3	441381	47	3	450711	46	3	459845	45
4	432007	64	4	441538	63	4	450865	62	4	459995	61
5	432167	80	5	441695	78	5	451018	77	5	460146	76
6	432328	96	6	441852	94	6	451172	92	6	460296	91
7	432488	112	7	442009	110	7	451326	108	7	460447	106
8	432649	128	8	442166	126	8	451479	123	8	460597	121
9	432809	144	9	442323	141	9	451633	139	9	460747	136
2710	432969		2770	442480		2830	451786		2890	460898	
1	433129	16	1	442636	16	1	451940	15	1	461048	15
2	433290	32	2	442793	31	2	452093	31	2	461198	30
3	433450	48	3	442950	47	3	452247	46	3	461348	45
4	433610	64	4	443106	63	4	452400	61	4	461498	60
5	433770	80	5	443263	78	5	452553	77	5	461649	75
6	433930	96	6	443419	94	6	452706	92	6	461799	90
7	434090	112	7	443576	110	7	452859	107	7	461948	105
8	434249	128	8	443732	126	8	453012	123	8	462098	120
9	434409	144	9	443888	141	9	453165	138	9	462248	135
2720	434569		2780	444045		2840	453318		2900	462398	
1	434728	16	1	444201	16	1	453471	15	1	462548	15
2	434888	32	2	444357	31	2	453624	31	2	462697	30
3	435048	48	3	444513	47	3	453777	46	3	462847	45
4	435207	64	4	444669	62	4	453930	61	4	462997	60
5	435366	80	5	444825	78	5	454082	77	5	463146	75
6	435526	96	6	444981	94	6	454235	92	6	463296	90
7	435685	112	7	445137	109	7	454387	107	7	463445	105
8	435844	128	8	445293	125	8	454540	123	8	463594	120
9	436003	144	9	445448	140	9	454692	138	9	463744	135
2730	436163		2790	445604		2850	454845		2910	463893	
1	436322	16	1	445760	16	1	454997	15	1	464042	15
2	436481	32	2	445915	31	2	455149	30	2	464191	30
3	436640	47	3	446071	47	3	455302	46	3	464340	45
4	436798	63	4	446226	62	4	455454	61	4	464489	60
5	436957	79	5	446382	78	5	455606	76	5	464639	75
6	437116	95	6	446537	94	6	455758	91	6	464787	90
7	437275	111	7	446692	109	7	455910	106	7	464936	105
8	437433	127	8	446848	125	8	456062	122	8	465085	120
9	437592	143	9	447003	140	9	456214	137	9	465234	135

No.	Log.	Prop. Part.	No.	Log.	Prop. Part.	No.	Log.	Prop. Part.	No.	Log.	Prop. Part.
2920	465383		2980	474216		3040	482874		3100	491362	
1	465532	15	1	474362	15	1	483016	14	1	491502	14
2	465680	30	2	474508	29	2	483159	28	2	491642	28
3	465829	44	3	474653	44	3	483302	43	3	491782	42
4	465977	59	4	474799	58	4	483445	57	4	491922	56
5	466126	74	5	474944	73	5	483587	71	5	492062	70
6	466274	89	6	475090	88	6	483730	85	6	492201	84
7	466423	104	7	475235	102	7	483872	99	7	492341	98
8	466571	118	8	475381	117	8	484015	114	8	492481	112
9	466719	133	9	475526	131	9	484157	128	9	492621	126
2930	466868		2990	475671		3050	484300		3110	492760	
1	467016	15	1	475816	15	1	484442	14	1	492900	14
2	467164	30	2	475962	29	2	484584	28	2	493040	28
3	467312	44	3	476107	43	3	484727	43	3	493179	42
4	467460	59	4	476252	58	4	484869	57	4	493319	56
5	467608	74	5	476397	72	5	485011	71	5	493458	70
6	467756	89	6	476542	87	6	485153	85	6	493597	84
7	467904	104	7	476687	101	7	485295	99	7	493737	98
8	468052	118	8	476832	116	8	485437	114	8	493876	142
9	468200	133	9	476976	130	9	485579	128	9	494015	126
2940	468347		3000	477121		3060	485721		3120	494155	
1	468495	15	1	477266	14	1	485863	14	1	494294	14
2	468643	30	2	477411	29	2	486005	28	2	494433	28
3	468790	44	3	477555	43	3	486147	43	3	494572	41
4	868938	59	4	477700	58	4	486289	57	4	494711	56
5	469085	74	5	477844	72	5	486430	71	5	494850	69
6	469233	89	6	477989	87	6	486572	85	6	494989	83
7	469380	104	7	478133	101	7	486714	99	7	495128	97
8	469527	118	8	478278	116	8	486855	114	8	495267	111
9	469675	133	9	478422	130	9	486997	128	9	495406	125
2950	469822		3010	478566		3070	487138		3130	495544	
1	469969	15	1	478711	14	1	487280	14	1	495683	14
2	470116	29	2	478855	29	2	487421	28	2	495822	28
3	470263	44	3	478999	43	3	487563	42	3	495960	41
4	470410	59	4	479143	58	4	487704	57	4	496099	56
5	470557	74	5	479287	72	5	487845	71	5	496237	69
6	470704	88	6	479431	86	6	487986	85	6	496376	83
7	470851	103	7	479575	101	7	488127	99	7	496514	97
8	470998	118	8	479719	115	8	488269	113	8	496653	111
9	471145	132	9	479863	130	9	488410	127	9	496791	125
2960	471292		3020	480007		3080	488551		3140	496930	
1	471438	15	1	480151	14	1	488692	14	1	497068	14
2	471585	29	2	480294	29	2	488833	28	2	497206	28
3	471732	44	3	480438	43	3	488973	42	3	497344	41
4	471878	59	4	480582	58	4	489114	56	4	497482	55
5	472025	73	5	480725	72	5	489255	70	5	497621	69
6	472171	88	6	480869	86	6	489396	84	6	497759	83
7	472317	102	7	481012	101	7	489537	98	7	497897	97
8	472464	117	8	481156	115	8	489677	112	8	498035	110
9	472610	132	9	481299	130	9	489818	126	9	498173	124
2970	472756		3030	481443		3090	489958		3150	498311	
1	472903	15	1	481586	14	1	490099	14	1	498448	14
2	473049	29	2	481729	29	2	490239	28	2	498586	28
3	473195	44	3	481872	43	3	490380	42	3	498724	41
4	473341	59	4	482016	57	4	490520	56	4	498862	55
5	473487	73	5	482159	71	5	490661	70	5	498999	69
6	473633	88	6	482302	86	6	490801	84	6	499137	83
7	473779	102	7	482445	100	7	490941	98	7	499275	97
8	473925	117	8	482588	114	8	491081	112	8	499412	110
9	474070	132	9	482731	129	9	491222	126	9	499550	124

No.	Log.	Prop. Part.	No.	Log.	Prop. Part.	No.	Log.	Prop. Part.	No.	Log.	Prop. Part.
3160	499687		3220	507856		3280	515874		3340	523746	
1	499824	14	1	507991	13	1	516006	13	1	523876	13
2	499962	27	2	508125	27	2	516139	26	2	524006	26
3	500099	41	3	508260	40	3	516271	40	3	524136	39
4	500236	55	4	508395	54	4	516403	53	4	524266	52
5	500374	68	5	508530	67	5	516535	66	5	524396	65
6	500511	82	6	508664	81	6	516668	79	6	524526	78
7	500648	96	7	508799	94	7	516800	92	7	524656	91
8	500785	110	8	508933	108	8	516932	106	8	524785	104
9	500922	123	9	509068	121	9	517064	119	9	524915	117
3170	501059		3230	509202		3290	517196		3350	525045	
1	501196	14	1	509337	13	1	517328	13	1	525174	13
2	501333	27	2	509471	27	2	517460	26	2	525304	26
3	501470	41	3	509606	40	3	517592	40	3	525434	39
4	501607	55	4	509740	54	4	517724	53	4	525563	52
5	501744	68	5	509874	67	5	517855	66	5	525693	65
6	501880	82	6	510008	81	6	517987	79	6	525822	78
7	502017	96	7	510143	94	7	518119	92	7	525951	91
8	502154	110	8	510277	108	8	518251	106	8	526081	104
9	502290	123	9	510411	121	9	518382	119	9	526210	117
3180	502427		3240	510545		3300	518514		3360	526339	
1	502564	14	1	510679	13	1	518645	13	1	526468	13
2	502700	27	2	510813	27	2	518777	26	2	526598	26
3	502837	41	3	510947	40	3	518909	39	3	526727	39
4	502973	54	4	511081	54	4	519040	52	4	526856	52
5	503109	68	5	511215	67	5	519171	66	5	526985	65
6	503246	82	6	511348	80	6	519303	79	6	527114	78
7	503382	95	7	511482	94	7	519434	92	7	527243	91
8	503518	109	8	511616	107	8	519565	105	8	527372	104
9	503654	123	9	511750	121	9	519697	118	9	527501	117
3190	503791		3250	511883		3310	519828		3370	527630	
1	503927	14	1	512017	13	1	519959	13	1	527759	13
2	504063	27	2	512150	27	2	520090	26	2	527888	26
3	504199	41	3	512284	40	3	520221	39	3	528016	38
4	504335	54	4	512417	53	4	520352	52	4	528145	51
5	504471	68	5	512551	67	5	520483	66	5	528274	64
6	504607	82	6	512684	80	6	520614	79	6	528402	77
7	504743	95	7	512818	93	7	520745	92	7	528531	90
8	504878	109	8	512951	107	8	520876	105	8	528660	103
9	505014	122	9	513084	120	9	521007	118	9	528788	116
3200	505150		3260	513218		3320	521138		3380	528917	
1	505286	14	1	513351	13	1	521269	13	1	529045	13
2	505421	27	2	513484	27	2	521400	26	2	529174	26
3	505557	41	3	513617	40	3	521530	39	3	529302	38
4	505692	54	4	513750	53	4	521661	52	4	529430	51
5	505828	68	5	513883	66	5	521792	65	5	529559	64
6	505963	82	6	514016	80	6	521922	78	6	529687	77
7	506099	95	7	514149	93	7	522053	97	7	529815	90
8	506234	109	8	514282	106	8	522183	104	8	529943	103
9	506370	122	9	514415	120	9	522314	117	9	530072	116
3210	506505		3270	514548		3330	522444		3390	530200	
1	506640	13	1	514680	13	1	522575	13	1	530328	13
2	506775	27	2	514813	27	2	522705	26	2	530456	26
3	506911	40	3	514946	40	3	522835	39	3	530584	38
4	507046	54	4	515079	53	4	522966	52	4	530712	51
5	507181	67	5	515211	66	5	523096	65	5	530840	64
6	507316	81	6	515344	80	6	523226	78	6	530968	77
7	507451	94	7	515476	93	7	523356	97	7	531095	90
8	507586	108	8	515609	106	8	523486	104	8	531223	102
9	507721	121	9	515741	120	9	523616	117	9	531351	115

No.	Log.	Prop. Part.	No.	Log.	Prop. Part.	No.	Log.	Prop. Part.	No.	Log.	Prop. Part.
3400	531479		3460	539076		3520	546543		3580	553883	
1	531607	13	1	539202	13	1	546666	12	1	554004	12
2	531734	25	2	539327	25	2	546789	25	2	554126	24
3	531862	38	3	539452	38	3	546913	37	3	554247	36
4	531990	51	4	539578	50	4	547036	49	4	554368	49
5	532117	63	5	539703	63	5	547159	62	5	554489	61
6	532245	76	6	539829	75	6	547282	74	6	554610	73
7	532372	89	7	539954	88	7	547405	86	7	554731	85
8	532500	102	8	540079	100	8	547529	99	8	554852	97
9	532627	114	9	540204	113	9	547652	111	9	554973	109
3410	532754		3470	540329		3530	547775		3590	555094	
1	532882	13	1	540455	12	1	547898	12	1	555215	12
2	533009	25	2	540580	25	2	548021	25	2	555336	24
3	533136	38	3	540705	37	3	548144	37	3	555457	36
4	533263	51	4	540830	50	4	548266	49	4	555578	48
5	533391	63	5	540955	62	5	548389	61	5	555699	60
6	533518	76	6	541080	75	6	548512	74	6	555820	72
7	533645	89	7	541205	87	7	548635	86	7	555940	84
8	533772	102	8	541330	100	8	548758	98	8	556061	96
9	533899	114	9	541454	112	9	548881	111	9	556182	108
3420	534026		3480	541579		3540	549003		3600	556302	
1	534153	13	1	541704	12	1	549126	12	1	556423	12
2	534280	25	2	541829	25	2	549249	25	2	556544	24
3	534407	38	3	541953	37	3	549371	37	3	556664	36
4	534534	51	4	542078	50	4	549494	49	4	556785	48
5	534661	63	5	542203	62	5	549616	61	5	556905	60
6	534787	76	6	542327	75	6	549739	74	6	557026	72
7	534914	89	7	542452	87	7	549861	86	7	557146	84
8	535041	102	8	542576	100	8	549984	98	8	557267	96
9	535167	114	9	542701	112	9	550106	111	9	557387	108
3430	535294		3490	542825		3550	550228		3610	557507	
1	535421	13	1	542950	12	1	550351	12	1	557627	12
2	535547	25	2	543074	25	2	550473	24	2	557748	24
3	535674	38	3	543199	37	3	550595	37	3	557868	36
4	535800	50	4	543323	50	4	550717	49	4	557988	48
5	535927	63	5	543447	62	5	550840	61	5	558108	60
6	536053	76	6	543571	75	6	550962	73	6	558228	72
7	536179	88	7	543696	87	7	551084	86	7	558348	84
8	536306	101	8	543820	100	8	551206	98	8	558469	96
9	536432	114	9	543944	112	9	551328	110	9	558589	108
3440	536558		3500	544068		3560	551450		3620	558709	
1	536685	13	1	544192	12	1	551572	12	1	558829	12
2	536811	25	2	544316	25	2	551694	24	2	558948	24
3	536937	38	3	544440	37	3	551816	37	3	559068	36
4	537063	50	4	544564	50	4	551938	49	4	559188	48
5	537189	63	5	544688	62	5	552059	61	5	559308	60
6	537315	76	6	544812	74	6	552181	73	6	559428	72
7	537441	88	7	544936	87	7	552303	86	7	559548	84
8	537567	101	8	545060	99	8	552425	98	8	559667	96
9	537693	114	9	545183	112	9	552546	110	9	559787	108
3450	537819		3510	545307		3570	552668		3630	559907	
1	537945	13	1	545431	12	1	552790	12	1	560026	12
2	538071	25	2	545554	25	2	552911	24	2	560146	24
3	538197	38	3	545678	37	3	553033	36	3	560265	36
4	538322	50	4	545802	49	4	553154	49	4	560385	48
5	538448	63	5	545925	62	5	553276	61	5	560504	60
6	538574	76	6	546049	74	6	553398	73	6	560624	72
7	538699	88	7	546172	86	7	553519	85	7	560743	84
8	538825	101	8	546296	99	8	553640	97	8	560863	96
9	538951	114	9	546419	111	9	553762	109	9	560982	108

No.	Log.	Prop. Part.	No.	Log.	Prop. Part.	No.	Log.	Prop. Part.	No.	Log.	Prop. Part.
3640	561101		3700	568202		3760	575188		3820	582063	
1	561221	12	1	568319	12	1	575303	12	1	582177	11
2	561340	24	2	568436	23	2	575419	23	2	582291	23
3	561459	36	3	568554	35	3	575534	35	3	582404	34
4	561578	48	4	568671	47	4	575650	46	4	582518	45
5	561698	60	5	568788	58	5	575765	58	5	582631	56
6	561817	72	6	568905	70	6	575880	69	6	582745	68
7	561936	84	7	569023	82	7	575996	80	7	582858	79
8	562055	96	8	569140	94	8	576111	92	8	582972	90
9	562174	108	9	569257	106	9	576226	104	9	583085	102
3650	562293		3710	569374		3770	576341		3830	583199	
1	562412	12	1	569491	12	1	576457	12	1	583312	11
2	562531	24	2	569608	23	2	576572	23	2	583426	23
3	562650	36	3	569725	35	3	576687	35	3	583539	34
4	562768	48	4	569842	47	4	576802	46	4	583652	45
5	562887	60	5	569959	58	5	576917	58	5	583765	56
6	563006	71	6	570076	70	6	577032	69	6	583879	68
7	563125	83	7	570193	82	7	577147	80	7	583992	79
8	563244	95	8	570309	94	8	577262	92	8	584105	90
9	563362	107	9	570426	106	9	577377	104	9	584218	102
3660	563481		3720	570543		3780	577492		3840	584331	
1	563600	12	1	570660	12	1	577607	11	1	584444	11
2	563718	24	2	570776	23	2	577721	23	2	584557	23
3	563837	36	3	570893	35	3	577836	34	3	584670	34
4	563955	48	4	571010	47	4	577951	46	4	584783	45
5	564074	60	5	571126	58	5	578066	57	5	584896	56
6	564192	71	6	571243	70	6	578181	68	6	585009	68
7	564311	83	7	571359	81	7	578295	80	7	585122	79
8	564429	95	8	571476	93	8	578410	91	8	585235	90
9	564548	107	9	571592	105	9	578525	103	9	585348	102
3670	564666		3730	571709		3790	578639		3850	585461	
1	564784	12	1	571825	12	1	578754	11	1	585574	11
2	564903	24	2	571942	23	2	578868	23	2	585686	22
3	565021	36	3	572058	35	3	578983	34	3	585799	34
4	565139	47	4	572174	47	4	579097	46	4	585912	45
5	565257	59	5	572291	58	5	579212	57	5	586024	56
6	565376	71	6	572407	70	6	579326	68	6	586137	67
7	565494	83	7	572523	81	7	579441	80	7	586250	78
8	565612	95	8	572639	93	8	579555	91	8	586362	90
9	565730	107	9	572755	105	9	579669	103	9	586475	101
3680	565848		3740	572872		3800	579784		3860	586587	
1	565966	12	1	572988	12	1	579898	11	1	586700	11
2	566084	24	2	573104	23	2	580012	23	2	586812	22
3	566202	35	3	573220	35	3	580126	34	3	586925	34
4	566320	47	4	573336	46	4	580240	46	4	587037	45
5	566437	59	5	573452	58	5	580355	57	5	587149	56
6	566555	71	6	573568	70	6	580469	68	6	587262	67
7	566673	83	7	573684	81	7	580583	80	7	587374	78
8	566791	94	8	573800	93	8	580697	91	8	587486	90
9	566909	106	9	573915	104	9	580811	103	9	587599	101
3690	567026		3750	574031		3810	580925		3870	587711	
1	567144	12	1	574147	12	1	581039	11	1	587823	11
2	567262	24	2	574263	23	2	581153	23	2	587935	22
3	567379	35	3	574379	35	3	581267	34	3	588047	34
4	567497	47	4	574494	46	4	581381	46	4	588160	45
5	567614	59	5	574610	58	5	581495	57	5	588272	56
6	567732	71	6	574726	70	6	581608	68	6	588384	67
7	567849	83	7	574841	81	7	581722	80	7	588496	78
8	567967	94	8	574957	93	8	581836	91	8	588608	90
9	568084	106	9	575072	104	9	581950	103	9	588720	101

No.	Log.	Prop. Part.	No.	Log.	Prop. Part.	No.	Log.	Prop. Part.	No.	Log.	Prop. Part.
3880	588832		3940	595496		4000	602060		4060	608526	
1	588944	11	1	595606	11	1	602169	11	1	608633	11
2	589056	22	2	595717	22	2	602277	22	2	608740	21
3	589167	33	3	595827	33	3	602386	33	3	608847	32
4	589279	44	4	595937	44	4	602494	43	4	608954	43
5	589391	56	5	596047	55	5	602603	54	5	609061	53
6	589503	67	6	596157	66	6	602711	65	6	609167	64
7	589615	78	7	596267	77	7	602819	76	7	609274	75
8	589726	89	8	596377	88	8	602928	87	8	609381	86
9	589838	100	9	596487	99	9	603036	98	9	609488	96
3890	589950		3950	596597		4010	603144		4070	609594	
1	590061	11	1	596707	11	1	603253	11	1	609701	11
2	590173	22	2	596817	22	2	603361	22	2	609808	21
3	590284	33	3	596927	33	3	603469	33	3	609914	32
4	590396	44	4	597037	44	4	603577	43	4	610021	43
5	590507	56	5	597146	55	5	603686	54	5	610128	53
6	590619	67	6	597256	66	6	603794	65	6	610234	64
7	590730	78	7	597366	77	7	603902	76	7	610341	75
8	590842	89	8	597476	88	8	604010	87	8	610447	86
9	590953	100	9	597585	99	9	604118	98	9	610554	96
3900	591065		3960	597695		4020	604226		4080	610660	
1	591176	11	1	597805	11	1	604334	11	1	610767	11
2	591287	22	2	597914	22	2	604442	22	2	610873	21
3	591399	33	3	598024	33	3	604550	32	3	610979	32
4	591510	44	4	598134	44	4	604658	43	4	611086	42
5	591621	56	5	598243	55	5	604766	54	5	611192	53
6	591732	67	6	598353	66	6	604874	65	6	611298	64
7	591843	78	7	598462	77	7	604982	76	7	611405	74
8	591955	89	8	598572	88	8	605089	86	8	611511	85
9	592066	100	9	598681	99	9	605197	97	9	611617	95
3910	592177		3970	598790		4030	605305		4090	611723	
1	592288	11	1	598900	11	1	605413	11	1	611829	11
2	592399	22	2	599009	22	2	605521	22	2	611936	21
3	592510	33	3	599119	33	3	605628	32	3	612042	32
4	592621	44	4	599228	44	4	605736	43	4	612148	42
5	592732	55	5	599337	55	5	605844	54	5	612254	53
6	592843	67	6	599446	66	6	605951	65	6	612360	64
7	592954	78	7	599556	77	7	606059	76	7	612466	74
8	593064	89	8	599665	88	8	606166	86	8	612572	85
9	593175	100	9	599774	99	9	606274	97	9	612678	95
3920	593286		3980	599883		4040	606381		4100	612784	
1	593397	11	1	599992	11	1	606489	11	1	612890	11
2	593508	22	2	600101	22	2	606596	21	2	612996	21
3	593618	33	3	600210	33	3	606704	32	3	613101	32
4	593729	44	4	600319	44	4	606811	43	4	613207	42
5	593840	55	5	600428	54	5	606919	54	5	613313	53
6	593950	66	6	600537	65	6	607026	64	6	613419	64
7	594061	77	7	600646	76	7	607133	75	7	613525	74
8	594171	88	8	600755	87	8	607241	86	8	613630	85
9	594282	99	9	600864	95	9	607348	96	9	613736	95
3930	594393		3990	600973		4050	607455		4110	613842	
1	594503	11	1	601082	11	1	607562	11	1	613947	11
2	594613	22	2	601190	22	2	607669	21	2	614053	21
3	594724	33	3	601299	33	3	607777	32	3	614159	32
4	594834	44	4	601408	44	4	607884	43	4	614264	42
5	594945	55	5	601517	54	5	607991	54	5	614370	53
6	595055	66	6	601625	65	6	608098	64	6	614475	63
7	595165	77	7	601734	76	7	608205	75	7	614581	74
8	595276	88	8	601843	87	8	608312	86	8	614686	84
9	595386	99	9	601951	98	9	608419	96	9	614792	95

No.	Log.	Prop. Part.	No.	Log.	Prop. Part.	No.	Log.	Prop. Part.	No.	Log.	Prop. Part.
4120	614897		4180	621176		4240	627366		4300	633468	
1	615003	11	1	621280	10	1	627468	10	1	633569	10
2	615108	21	2	621384	21	2	627571	20	2	633670	20
3	615213	31	3	621488	31	3	627673	31	3	633771	30
4	615319	42	4	621592	42	4	627775	41	4	633872	40
5	615424	52	5	621695	52	5	627878	51	5	633973	50
6	615529	63	6	621799	62	6	627980	61	6	634074	61
7	615634	73	7	621903	73	7	628082	72	7	634175	71
8	615740	84	8	622007	83	8	628184	82	8	634276	81
9	615845	95	9	622110	94	9	628287	92	9	634376	91
4130	615950		4190	622214		4250	628389		4310	634477	
1	616055	11	1	622318	10	1	628491	10	1	634578	10
2	616160	21	2	622421	21	2	628593	20	2	634679	20
3	616265	31	3	622525	31	3	628695	31	3	634779	30
4	616370	42	4	622628	41	4	628797	41	4	634880	40
5	616475	52	5	622732	52	5	628900	51	5	634981	50
6	616580	63	6	622835	62	6	629002	61	6	635081	61
7	616685	73	7	622939	72	7	629104	72	7	635182	71
8	616790	84	8	623042	83	8	629206	82	8	635283	81
9	616895	95	9	623146	93	9	629308	92	9	635383	91
4140	617000		4200	623249		4260	629410		4320	635484	
1	617105	10	1	623353	10	1	629511	10	1	635584	10
2	617210	21	2	623456	21	2	629613	20	2	635685	20
3	617315	31	3	623559	31	3	629715	30	3	635785	30
4	617420	42	4	623663	41	4	629817	41	4	635886	40
5	617524	52	5	623766	52	5	629919	51	5	635986	50
6	617629	63	6	623869	62	6	630021	61	6	636086	60
7	617734	73	7	623972	72	7	630123	71	7	636187	70
8	617839	84	8	624076	83	8	630224	81	8	636287	80
9	617943	94	9	624179	93	9	630326	91	9	636388	90
4150	618048		4210	624282		4270	630428		4330	636488	
1	618153	10	1	624385	10	1	630530	10	1	636588	10
2	618257	21	2	624488	21	2	630631	20	2	636688	20
3	618362	31	3	624591	31	3	630733	30	3	636789	30
4	618466	42	4	624694	41	4	630834	41	4	636889	40
5	618571	52	5	624798	51	5	630936	51	5	636989	50
6	618675	62	6	624901	62	6	631038	61	6	637089	60
7	618780	73	7	625004	72	7	631139	71	7	637189	70
8	618884	83	8	625107	82	8	631241	81	8	637289	80
9	618989	94	9	625209	93	9	631342	91	9	637390	90
4160	619093		4220	625312		4280	631444		4340	637490	
1	619198	10	1	625415	10	1	631545	10	1	637590	10
2	619302	21	2	625518	21	2	631647	20	2	637690	20
3	619406	31	3	625621	31	3	631748	30	3	637790	30
4	619511	42	4	625724	41	4	631849	41	4	637890	40
5	619615	52	5	625827	51	5	631951	51	5	637990	50
6	619719	62	6	625929	62	6	632052	61	6	638090	60
7	619823	73	7	626032	72	7	632153	71	7	638190	70
8	619928	83	8	626135	82	8	632255	81	8	638289	80
9	620032	94	9	626238	93	9	632356	91	9	638389	90
4170	620136		4230	626340		4290	632457		4350	638489	
1	620240	10	1	626443	10	1	632558	10	1	638589	10
2	620344	21	2	626546	21	2	632660	20	2	638689	20
3	620448	31	3	626648	31	3	632761	30	3	638789	30
4	620552	42	4	626751	41	4	632862	41	4	638888	40
5	620656	52	5	626853	51	5	632963	51	5	638988	50
6	620760	62	6	626956	62	6	633064	61	6	639088	60
7	620864	73	7	627058	72	7	633165	71	7	639188	70
8	620968	83	8	627161	82	8	633266	81	8	639287	80
9	621072	94	9	627263	93	9	633367	91	9	639387	90

No.	Log.	Prop. Part.	No.	Log.	Prop. Part.	No.	Log.	Prop. Part.	No.	Log.	Prop. Part.
4360	639486		4420	645422		4480	651278		4540	657056	
1	639586	10	1	645520	10	1	651375	10	1	657151	10
2	639686	20	2	645619	20	2	651472	19	2	657247	19
3	639785	30	3	645717	30	3	651569	29	3	657343	28
4	639885	40	4	645815	39	4	651666	38	4	657438	38
5	639984	50	5	645913	49	5	651762	48	5	657534	47
6	640084	60	6	646011	59	6	651859	58	6	657629	57
7	640183	70	7	646109	69	7	651956	67	7	657725	67
8	640283	80	8	646208	79	8	652053	77	8	657820	76
9	640382	90	9	646306	89	9	652150	87	9	657916	86
4370	640481		4430	646404		4490	652246		4550	658011	
1	940581	10	1	646502	10	1	652343	10	1	658107	10
2	640680	20	2	646600	20	2	652440	19	2	658202	19
3	640779	30	3	646698	29	3	652536	29	3	658298	28
4	640879	40	4	646796	39	4	652633	38	4	658393	38
5	640978	50	5	646894	49	5	652730	48	5	658488	47
6	641077	60	6	646991	59	6	652826	58	6	658584	57
7	641176	70	7	647089	69	7	652923	67	7	658679	67
8	641276	80	8	647187	78	8	653019	77	8	658774	76
9	641375	90	9	647285	88	9	653116	87	9	658870	86
4380	641474		4440	647383		4500	653213		4560	658965	
1	641573	10	1	647481	10	1	653309	10	1	659060	10
2	641672	20	2	647579	20	2	653405	19	2	659155	19
3	641771	30	3	647676	29	3	653502	29	3	659250	28
4	641870	40	4	647774	39	4	653598	38	4	659346	38
5	641970	50	5	647872	49	5	653695	48	5	659441	47
6	642069	59	6	647969	59	6	653791	58	6	659536	57
7	642168	69	7	648067	69	7	653888	67	7	659631	67
8	642267	79	8	648165	78	8	653984	77	8	659726	76
9	642366	89	9	648262	88	9	654080	87	9	659821	86
4390	642464		4450	648360		4510	654176		4570	659916	
1	642563	10	1	648458	10	1	654273	10	1	660011	10
2	642662	20	2	648555	19	2	654369	19	2	660106	19
3	642761	30	3	648653	29	3	654465	29	3	660201	28
4	642860	40	4	648750	39	4	654562	38	4	660296	38
5	642959	49	5	648848	49	5	654558	48	5	660391	47
6	643058	59	6	648945	58	6	654754	58	6	660486	57
7	643156	69	7	649043	68	7	654850	67	7	660581	67
8	643255	79	8	649140	78	8	654946	77	8	660676	76
9	643354	89	9	649237	88	9	655042	86	9	660771	86
4400	643453		4460	649335		4520	655138		4580	660865	
1	643551	10	1	649432	10	1	655234	10	1	660960	9
2	643650	20	2	649530	19	2	655331	19	2	661055	19
3	643749	30	3	649627	29	3	655427	29	3	661150	28
4	643847	39	4	649724	39	4	655523	38	4	661245	38
5	643946	49	5	649821	49	5	655619	48	5	661339	47
6	644044	59	6	649919	58	6	655714	58	6	661434	57
7	644143	69	7	650016	68	7	655810	67	7	661529	66
8	644242	79	8	650113	78	8	655906	77	8	661623	76
9	644340	89	9	650210	88	9	656002	86	9	661718	85
4410	644439		4470	650307		4530	656098		4590	661813	
1	644537	10	1	650405	10	1	656194	10	1	661907	9
2	644635	20	2	650502	19	2	656290	19	2	662002	19
3	644734	30	3	650599	29	3	656386	29	3	662096	28
4	644832	39	4	650696	39	4	656481	38	4	662191	38
5	644931	49	5	650793	49	5	656577	48	5	662285	47
6	645029	59	6	650890	58	6	656673	58	6	662380	57
7	645127	69	7	650987	68	7	656769	67	7	662474	66
8	645226	79	8	651084	78	8	656864	77	8	662569	76
9	645324	89	9	651181	88	9	656960	86	9	662663	85

No.	Log.	Prop. Part.	No.	Log.	Prop. Part.	No.	Log.	Prop. Part.	No.	Log.	Prop. Part.
4600	662758		4660	668386		4720	673942		4780	679428	
1	662852	9	1	668479	9	1	674034	9	1	679519	9
2	662947	19	2	668572	19	2	674126	18	2	679610	18
3	663041	28	3	668665	28	3	674218	28	3	679700	27
4	663135	38	4	668758	37	4	674310	37	4	679791	36
5	663230	47	5	668852	47	5	674402	46	5	679882	45
6	663324	57	6	668945	56	6	674494	55	6	679973	55
7	663418	66	7	669038	65	7	674586	64	7	680063	64
8	663512	76	8	669131	74	8	674677	74	8	680154	73
9	663607	85	9	669224	84	9	674769	83	9	680245	82
4610	663701		4670	669317		4730	674861		4790	680335	
1	663795	9	1	669410	9	1	674953	9	1	680426	9
2	663889	19	2	669503	19	2	675045	18	2	680517	18
3	663983	28	3	669596	28	3	675136	28	3	680607	27
4	664078	38	4	669689	37	4	675228	37	4	680698	36
5	664172	47	5	669782	47	5	675320	46	5	680789	45
6	664266	56	6	669875	56	6	675412	55	6	680879	55
7	664360	66	7	669967	65	7	675503	64	7	680970	64
8	664454	75	8	670060	74	8	675595	74	8	681060	73
9	664548	85	9	670153	84	9	675687	83	9	681151	82
4620	664642		4680	670246		4740	675778		4800	681241	
1	664736	9	1	670339	9	1	675870	9	1	681332	9
2	664830	19	2	670431	18	2	675962	18	2	681422	18
3	664924	28	3	670524	28	3	676053	27	3	681513	27
4	665018	38	4	670617	37	4	676145	36	4	681603	36
5	665112	47	5	670710	46	5	676236	46	5	681693	45
6	665206	56	6	670802	55	6	676328	55	6	681784	54
7	665299	66	7	670895	64	7	676419	64	7	681874	63
8	665393	75	8	670988	74	8	676511	73	8	681964	72
9	665487	85	9	671080	83	9	676602	82	9	682055	81
4630	665581		4690	671173		4750	676694		4810	682145	
1	665675	9	1	671265	9	1	676785	9	1	682235	9
2	665769	19	2	671358	18	2	676876	18	2	682326	18
3	665862	28	3	671451	28	3	676968	27	3	682416	27
4	665956	38	4	671543	37	4	677059	36	4	682506	36
5	666050	47	5	671636	46	5	677151	46	5	682596	45
6	666143	56	6	671728	55	6	677242	55	6	682686	54
7	666237	66	7	671821	64	7	677333	64	7	682777	63
8	666331	75	8	671913	74	8	677424	73	8	682867	72
9	666424	85	9	672005	83	9	677516	82	9	682957	81
4640	666518		4700	672098		4760	677607		4820	683047	
1	666612	9	1	672190	9	1	677698	9	1	683137	9
2	666705	19	2	672283	18	2	677789	18	2	683227	18
3	666799	28	3	672375	28	3	677881	27	3	683317	27
4	666892	37	4	672467	37	4	677972	36	4	683407	36
5	666986	47	5	672560	46	5	678063	45	5	683497	45
6	667079	56	6	672652	55	6	678154	55	6	683587	54
7	667173	65	7	672744	64	7	678245	64	7	683677	63
8	667266	74	8	672836	74	8	678336	73	8	683767	72
9	667359	84	9	672929	83	9	678427	82	9	683857	81
4650	667453		4710	673021		4770	678518		4830	683947	
1	667546	9	1	673113	9	1	678609	9	1	684037	9
2	667640	19	2	673205	18	2	678700	18	2	684127	18
3	667733	28	3	673297	28	3	678791	27	3	684217	27
4	667826	37	4	673390	37	4	678882	36	4	684307	36
5	667920	47	5	673482	46	5	678973	45	5	684396	45
6	668013	56	6	673574	55	6	679064	55	6	684486	54
7	668106	65	7	673666	64	7	679155	64	7	684576	63
8	668199	74	8	673758	74	8	679246	73	8	684666	72
9	668293	84	9	673850	83	9	679337	82	9	684756	81

No.	Log.	Prop. Part.	No.	Log.	Prop. Part.	No.	Log.	Prop. Part.	No.	Log.	Prop. Part.
4840	684845		4900	690196		4960	695482		5020	700704	
1	684935	9	1	690285	9	1	695569	9	1	700790	9
2	685025	18	2	690373	18	2	695657	17	2	700877	17
3	685114	27	3	690462	27	3	695744	26	3	700963	26
4	685204	36	4	690550	35	4	695832	35	4	701050	35
5	685294	45	5	690639	44	5	695919	44	5	701136	43
6	685383	54	6	690727	53	6	696007	52	6	701222	52
7	685473	63	7	690816	62	7	696094	61	7	701309	61
8	685563	72	8	690905	71	8	696182	70	8	701395	70
9	685652	81	9	690993	80	9	696269	79	9	701482	78
4850	685742		4910	691081		4970	696356		5030	701568	
1	685831	9	1	691170	9	1	696444	9	1	701654	9
2	685921	18	2	691258	18	2	696531	17	2	701741	17
3	686010	27	3	691347	27	3	696618	26	3	701827	26
4	686100	36	4	691435	35	4	696706	35	4	701913	35
5	686189	45	5	691524	44	5	696793	44	5	701999	43
6	686279	54	6	691612	53	6	696880	52	6	702086	52
7	686368	63	7	691700	62	7	696968	61	7	702172	61
8	686457	72	8	691789	71	8	697055	70	8	702258	70
9	686547	81	9	691877	80	9	697142	79	9	702344	78
4860	686636		4920	691965		4980	697229		5040	702430	
1	686726	9	1	692053	9	1	697317	9	1	702517	9
2	686815	18	2	692142	18	2	697404	17	2	702603	17
3	686904	27	3	692230	27	3	697491	26	3	702689	26
4	686994	36	4	692318	35	4	697578	35	4	702775	34
5	687083	45	5	692406	44	5	697665	44	5	702861	43
6	687172	54	6	692494	53	6	697752	52	6	702947	52
7	687261	63	7	692583	62	7	697839	61	7	703033	60
8	687351	72	8	692671	71	8	697926	70	8	703119	69
9	687440	81	9	692759	80	9	698013	79	9	703205	77
4870	687529		4930	692847		4990	698100		5050	703291	
1	687618	9	1	692935	9	1	698188	9	1	703377	9
2	687707	18	2	693023	18	2	698275	17	2	703463	17
3	687796	27	3	693111	26	3	698362	26	3	703549	26
4	687886	36	4	693199	35	4	698448	35	4	703635	34
5	687975	45	5	693287	44	5	698535	44	5	703721	43
6	688064	54	6	693375	53	6	698622	52	6	703807	52
7	688153	62	7	693463	62	7	698709	61	7	703893	60
8	688242	72	8	693551	70	8	698796	70	8	703979	69
9	688331	80	9	693639	79	9	698883	79	9	704065	77
4880	688420		4940	693727		5000	698970		5060	704150	
1	688509	9	1	693815	9	1	699057	9	1	704236	9
2	688598	18	2	693903	18	2	699144	17	2	704322	17
3	688687	27	3	693991	26	3	699231	26	3	704408	26
4	688776	36	4	694078	35	4	699317	35	4	704494	34
5	688865	45	5	694166	44	5	699404	43	5	704579	43
6	688953	54	6	694254	53	6	699491	52	6	704665	52
7	689042	62	7	694342	62	7	699578	61	7	704751	60
8	689131	72	8	694430	70	8	699664	70	8	704837	69
9	689220	80	9	694517	79	9	699751	78	9	704922	77
4890	689309		4950	694605		5010	699838		5070	705008	
1	689398	9	1	694693	9	1	699924	9	1	705094	9
2	689486	18	2	694781	18	2	700011	17	2	705179	17
3	689575	27	3	694868	26	3	700098	26	3	705265	26
4	689664	36	4	694956	35	4	700184	35	4	705350	34
5	689753	45	5	695044	44	5	700271	43	5	705436	43
6	689841	54	6	695131	53	6	700358	52	6	705522	52
7	689930	62	7	695219	62	7	700444	61	7	705607	60
8	690019	72	8	695307	70	8	700531	70	8	705693	69
9	690107	80	9	695394	79	9	700617	78	9	705778	77

No.	Log.	Prop. Part.	No.	Log.	Prop. Part.	No.	Log.	Prop. Part.	No.	Log.	Prop. Part.
5080	705864		5140	710963		5200	716003		5260	720986	
1	705949	9	1	711048	8	1	716087	8	1	721068	8
2	706035	17	2	711132	17	2	716170	17	2	721151	16
3	706120	26	3	711216	25	3	716254	25	3	721233	25
4	706206	34	4	711301	34	4	716337	34	4	721316	33
5	706291	43	5	711385	42	5	716421	42	5	721398	41
6	706376	51	6	711470	51	6	716504	50	6	721481	49
7	706462	60	7	711554	59	7	716588	59	7	721563	58
8	706547	68	8	711638	68	8	716671	67	8	721646	66
9	706632	77	9	711723	76	9	716754	76	9	721728	74
5090	706718		5150	711807		5210	716838		5270	721811	
1	706803	9	1	711892	8	1	716921	8	1	721893	8
2	706888	17	2	711976	17	2	717004	17	2	721975	16
3	706974	26	3	712060	25	3	717088	25	3	722058	25
4	707059	34	4	712144	34	4	717171	33	4	722140	33
5	707144	43	5	712229	42	5	717254	42	5	722222	41
6	707229	51	6	712313	51	6	717338	50	6	722305	49
7	707315	60	7	712397	59	7	717421	58	7	722387	58
8	707400	68	8	712481	68	8	717504	66	8	722469	66
9	707485	77	9	712566	76	9	717587	75	9	722552	74
5100	707570		5160	712650		5220	717671		5280	722634	
1	707655	9	1	712734	8	1	717754	8	1	722716	8
2	707740	17	2	712818	17	2	717837	17	2	722798	16
3	707826	26	3	712902	25	3	717920	25	3	722881	25
4	707911	34	4	712986	34	4	718003	33	4	722963	33
5	707996	43	5	713070	42	5	718086	42	5	723045	41
6	708081	51	6	713154	50	6	718169	50	6	723127	49
7	708166	60	7	713238	59	7	718253	58	7	723209	58
8	708251	68	8	713322	67	8	718336	66	8	723291	66
9	708336	77	9	713406	76	9	718419	75	9	723374	74
5110	708421		5170	713490		5230	718502		5290	723456	
1	708506	9	1	713574	8	1	718585	8	1	723538	8
2	708591	17	2	713658	17	2	718668	17	2	723620	16
3	708676	26	3	713742	25	3	718751	25	3	723702	25
4	708761	34	4	713826	34	4	718834	33	4	723784	33
5	708846	43	5	713910	42	5	718917	42	5	723866	41
6	708931	51	6	713994	50	6	719000	50	6	723948	49
7	709015	60	7	714078	59	7	719083	58	7	724030	57
8	709100	68	8	714162	67	8	719165	66	8	724112	66
9	709185	77	9	714246	76	9	719248	75	9	724194	74
5120	709270		5180	714330		5240	719331		5300	724276	
1	709355	8	1	714414	8	1	719414	8	1	724358	8
2	709440	17	2	714497	17	2	719497	17	2	724440	16
3	709524	25	3	714581	25	3	719580	25	3	724522	25
4	709609	34	4	714665	34	4	719663	33	4	724603	33
5	709694	42	5	714749	42	5	719745	41	5	724685	41
6	709779	51	6	714832	50	6	719828	50	6	724767	49
7	709863	59	7	714916	59	7	719911	58	7	724849	57
8	709948	68	8	715000	67	8	719994	66	8	724931	66
9	710033	76	9	715084	76	9	720077	75	9	725013	74
5130	710117		5190	715167		5250	720159		5310	725095	
1	710202	8	1	715251	8	1	720242	8	1	725176	8
2	710287	17	2	715335	17	2	720325	17	2	725258	16
3	710371	25	3	715418	25	3	720407	25	3	725340	25
4	710456	34	4	715502	34	4	720490	33	4	725422	33
5	710540	42	5	715586	42	5	720573	41	5	725503	41
6	710625	51	6	715669	50	6	720655	50	6	725585	49
7	710710	59	7	715753	59	7	720738	58	7	725667	57
8	710794	67	8	715836	67	8	720821	66	8	725748	66
9	710879	76	9	715920	76	9	720903	75	9	725830	74

No.	Log.	Prop. Part.	No.	Log.	Prop. Part.	No.	Log.	Prop. Part.	No.	Log.	Prop. Part.
5320	725912		5380	730782		5440	735599		5500	740363	
1	725993	8	1	730863	8	1	735679	8	1	740442	8
2	726075	16	2	730944	16	2	735759	16	2	740521	16
3	726156	24	3	731024	24	3	735838	24	3	740599	24
4	726238	33	4	731105	32	4	735918	32	4	740678	32
5	726320	41	5	731186	40	5	735998	40	5	740757	40
6	726401	49	6	731266	49	6	736078	48	6	740836	47
7	726483	57	7	731347	57	7	736157	56	7	740915	55
8	726564	65	8	731428	65	8	736237	64	8	740994	63
9	726646	73	9	731508	73	9	736317	72	9	741073	71
5330	726727		5390	731589		5450	736396		5510	741152	
1	726809	8	1	731669	8	1	736476	8	1	741230	8
2	726890	16	2	731750	16	2	736556	16	2	741309	16
3	726972	24	3	731830	24	3	736635	24	3	741388	24
4	727053	33	4	731911	32	4	736715	32	4	741467	32
5	727134	41	5	731991	40	5	736795	40	5	741546	40
6	727216	49	6	732072	48	6	736874	48	6	741624	47
7	727297	57	7	732152	56	7	736954	56	7	741703	55
8	727379	65	8	732233	64	8	737034	64	8	741782	63
9	727460	73	9	732313	72	9	737113	72	9	741860	71
5340	727541		5400	732394		5460	737193		5520	741939	
1	727623	8	1	732474	8	1	737272	8	1	742018	8
2	727704	16	2	732555	16	2	737352	16	2	742096	16
3	727785	24	3	732635	24	3	737431	24	3	742175	23
4	727866	33	4	732715	32	4	737511	32	4	742254	31
5	727948	41	5	732796	40	5	737590	40	5	742332	39
6	728029	49	6	732876	48	6	737670	48	6	742411	47
7	728110	57	7	732956	56	7	737749	56	7	742489	55
8	728191	65	8	733037	64	8	737829	64	8	742568	63
9	728273	73	9	733117	72	9	737908	72	9	742647	71
5350	728354		5410	733197		5470	737987		5530	742725	
1	728435	8	1	733278	8	1	738067	8	1	742804	8
2	728516	16	2	733358	16	2	738146	16	2	742882	16
3	728597	24	3	733438	24	3	738225	24	3	742961	23
4	728678	33	4	733518	32	4	738305	32	4	743039	31
5	728759	41	5	733598	40	5	738384	40	5	743118	39
6	728841	49	6	733679	48	6	738463	48	6	743196	47
7	728922	57	7	733759	56	7	738543	56	7	743275	55
8	729003	65	8	733839	64	8	738622	64	8	743353	63
9	729084	73	9	733919	72	9	738701	72	9	743431	71
5360	729165		5420	733999		5480	738781		5540	743510	
1	729246	8	1	734079	8	1	738860	8	1	743588	8
2	729327	16	2	734159	16	2	738939	16	2	743667	16
3	729408	24	3	734240	24	3	739018	24	3	743745	23
4	729489	32	4	734320	32	4	739097	32	4	743823	31
5	729570	41	5	734400	40	5	739177	40	5	743902	39
6	729651	49	6	734480	48	6	739256	47	6	743980	47
7	729732	57	7	734560	56	7	739335	55	7	744058	55
8	729813	65	8	734640	64	8	739414	63	8	744136	63
9	729893	73	9	734720	72	9	739493	71	9	744215	71
5370	729974		5430	734800		5490	739572		5550	744293	
1	730055	8	1	734880	8	1	739651	8	1	744371	8
2	730136	16	2	734960	16	2	739730	16	2	744449	16
3	730217	24	3	735040	24	3	739810	24	3	744528	23
4	730298	32	4	735120	32	4	739889	32	4	744606	31
5	730378	40	5	735200	40	5	739968	40	5	744684	39
6	730459	49	6	735279	48	6	740047	47	6	744762	47
7	730540	57	7	735359	56	7	740126	55	7	744840	55
8	730621	65	8	735439	64	8	740205	63	8	744919	63
9	730702	73	9	735519	72	9	740284	71	9	744997	71

No.	Log.	Prop. Part.	No.	Log.	Prop. Part.	No.	Log.	Prop. Part.	No.	Log.	Prop. Part.
5560	745075		5620	749736		5680	754348		5740	758912	
1	745153	8	1	749814	8	1	754425	8	1	758988	8
2	745231	16	2	749891	16	2	754501	15	2	759063	15
3	745309	23	3	749968	23	3	754578	23	3	759139	23
4	745387	31	4	750045	31	4	754654	30	4	759214	30
5	745465	39	5	750123	39	5	754730	38	5	759290	38
6	745543	47	6	750200	47	6	754807	46	6	759366	45
7	745621	55	7	750277	54	7	754883	53	7	759441	53
8	745699	62	8	750354	62	8	754960	61	8	759517	60
9	745777	70	9	750431	70	9	755036	69	9	759592	68
5570	745855		5630	750508		5690	755112		5750	759668	
1	745933	8	1	750586	8	1	755189	8	1	759743	8
2	746011	16	2	750663	16	2	755265	15	2	759819	15
3	746089	23	3	750740	23	3	755341	23	3	759894	23
4	746167	31	4	750817	31	4	755417	30	4	759970	30
5	746245	39	5	750894	39	5	755494	38	5	760045	38
6	746323	47	6	750971	47	6	755570	46	6	760121	45
7	746401	55	7	751048	54	7	755646	53	7	760196	53
8	746479	62	8	751125	62	8	755722	61	8	760272	60
9	746556	70	9	751202	70	9	755799	69	9	760347	68
5580	746634		5640	751279		5700	755875		5760	760422	
1	746712	8	1	751356	8	1	755951	8	1	760498	8
2	746790	16	2	751433	15	2	756027	15	2	760573	15
3	746868	23	3	751510	23	3	756103	23	3	760649	23
4	746945	31	4	751587	30	4	756180	30	4	760724	30
5	747023	39	5	751664	38	5	756256	38	5	760799	38
6	747101	47	6	751741	46	6	756332	46	6	760875	45
7	747179	55	7	751818	54	7	756408	53	7	760950	53
8	747256	62	8	751895	62	8	756484	61	8	761025	60
9	747334	70	9	751972	70	9	756560	69	9	761100	68
5590	747412		5650	752048		5710	756636		5770	761176	
1	747489	8	1	752125	8	1	756712	8	1	761251	8
2	747567	16	2	752202	15	2	756788	15	2	761326	15
3	747645	23	3	752279	23	3	756864	23	3	761402	23
4	747722	31	4	752356	30	4	756940	30	4	761477	30
5	747800	39	5	752433	38	5	757016	38	5	761552	38
6	747878	47	6	752509	46	6	757092	46	6	761627	45
7	747955	54	7	752586	54	7	757168	53	7	761702	53
8	748033	62	8	752663	62	8	757244	61	8	761778	60
9	748110	70	9	752740	70	9	757320	69	9	761853	68
5600	748188		5660	752816		5720	757396		5780	761928	
1	748266	8	1	752893	8	1	757472	8	1	762003	8
2	748343	16	2	752970	15	2	757548	15	2	763078	15
3	748421	23	3	753047	23	3	757624	23	3	762153	22
4	748498	31	4	753123	30	4	757700	30	4	762228	30
5	748576	39	5	753200	38	5	757775	38	5	762303	38
6	748653	47	6	753277	46	6	757851	46	6	762378	45
7	748731	54	7	753353	54	7	757927	53	7	762453	52
8	748808	62	8	753430	62	8	758003	61	8	762529	60
9	748885	70	9	753506	70	9	758079	68	9	762604	68
5610	748963		5670	753583		5730	758155		5790	762679	
1	749040	8	1	753660	8	1	758230	8	1	762754	8
2	749118	16	2	753736	15	2	758306	15	2	762829	15
3	749195	23	3	753813	23	3	758382	23	3	762904	22
4	749272	31	4	753889	30	4	758458	30	4	762978	30
5	749350	39	5	753966	38	5	758533	38	5	763053	38
6	749427	47	6	754042	46	6	758609	46	6	763128	45
7	749504	54	7	754119	54	7	758685	53	7	763203	52
8	749582	62	8	754195	62	8	758760	61	8	763278	60
9	749659	70	9	754272	70	9	758836	68	9	763353	68

No.	Log.	Prop. Part.	No.	Log.	Prop. Part.	No.	Log.	Prop. Part.	No.	Log.	Prop. Part.
5800	763428		5860	767898		5920	772322		5980	776701	
1	763503	7	1	767972	7	1	772395	7	1	776774	7
2	763578	15	2	768046	15	2	772468	15	2	776846	14
3	763653	22	3	768120	22	3	772542	22	3	776919	22
4	763727	30	4	768194	30	4	772615	29	4	776992	29
5	763802	37	5	768268	37	5	772688	37	5	777064	36
6	763877	45	6	768342	45	6	772762	44	6	777137	43
7	763952	52	7	768416	52	7	772835	51	7	777209	51
8	764027	60	8	768490	59	8	772908	59	8	777282	58
9	764101	67	9	768564	67	9	772981	66	9	777354	65
5810	764176		5870	768638		5930	773055		5990	777427	
1	764251	7	1	768712	7	1	773128	7	1	777499	7
2	764326	15	2	768786	15	2	773201	15	2	777572	14
3	764400	22	3	768860	22	3	773274	22	3	777644	22
4	764475	30	4	768934	30	4	773348	29	4	777717	29
5	764550	37	5	769008	37	5	773421	37	5	777789	36
6	764624	45	6	769082	45	6	773494	44	6	777862	43
7	764699	52	7	769156	52	7	773567	51	7	777934	51
8	764774	60	8	769230	59	8	773640	59	8	778006	58
9	764848	67	9	769303	67	9	773713	66	9	778079	65
5820	764923		5880	769377		5940	773786		6000	778151	
1	764998	7	1	769451	7	1	773860	7	1	778224	7
2	765072	15	2	769525	15	2	773933	15	2	778296	14
3	765147	22	3	769599	22	3	774006	22	3	778368	22
4	765221	30	4	769673	30	4	774079	29	4	778441	29
5	765296	37	5	769746	37	5	774152	37	5	778513	36
6	765370	45	6	769820	45	6	774225	44	6	778585	43
7	765445	52	7	769894	52	7	774298	51	7	778658	51
8	765520	60	8	769968	59	8	774371	59	8	778730	58
9	765594	67	9	770042	67	9	774444	66	9	778802	65
5830	765669		5890	770115		5950	774517		6010	778874	
1	765743	7	1	770189	7	1	774590	7	1	778947	7
2	765818	15	2	770263	15	2	774663	15	2	779019	14
3	765892	22	3	770336	22	3	774736	22	3	779091	22
4	765966	30	4	770410	30	4	774809	29	4	779163	29
5	766041	37	5	770484	37	5	774882	37	5	779236	36
6	766115	45	6	770557	45	6	774955	44	6	779308	43
7	766190	52	7	770631	52	7	775028	51	7	779380	51
8	766264	60	8	770705	59	8	775100	59	8	779452	58
9	766338	67	9	770778	67	9	775173	66	9	779524	65
5840	766413		5900	770852		5960	775246		6020	779596	
1	766487	7	1	770926	7	1	775319	7	1	779669	7
2	766562	15	2	770999	15	2	775392	15	2	779741	14
3	766636	22	3	771073	22	3	775465	22	3	779813	22
4	766710	30	4	771146	30	4	775538	29	4	779885	29
5	766785	37	5	771220	37	5	775610	37	5	779957	36
6	766859	45	6	771293	45	6	775683	44	6	780029	43
7	766933	52	7	771367	52	7	775756	51	7	780101	50
8	767007	60	8	771440	59	8	775829	59	8	780173	58
9	767082	67	9	771514	67	9	775902	66	9	780245	65
5850	767156		5910	771587		5970	775974		6030	780317	
1	767230	7	1	771661	7	1	776047	7	1	780389	7
2	767304	15	2	771734	15	2	776120	15	2	780461	14
3	767379	22	3	771808	22	3	776193	22	3	780533	22
4	767453	30	4	771881	30	4	776265	29	4	780605	29
5	767527	37	5	771955	37	5	776338	37	5	780677	36
6	767601	45	6	772028	44	6	776411	44	6	780749	43
7	767675	52	7	772102	52	7	776483	51	7	780821	50
8	767749	59	8	772175	59	8	776556	59	8	780893	58
9	767823	67	9	772248	67	9	776629	66	9	780965	65

No.	Log.	Prop. Part.	No.	Log.	Prop. Part.	No.	Log.	Prop. Part.	No.	Log.	Prop. Part.
6040	781037		6100	785330		6160	789581		6220	793790	
1	781109	7	1	785401	7	1	789651	7	1	793860	7
2	781181	14	2	785472	14	2	789722	14	2	793930	14
3	781253	22	3	785543	21	3	789792	21	3	794000	21
4	781324	29	4	785615	28	4	789863	28	4	794070	28
5	781396	36	5	785686	36	5	789933	35	5	794139	35
6	781468	43	6	785757	43	6	790004	42	6	794209	42
7	781540	50	7	785828	50	7	790074	49	7	794279	49
8	781612	58	8	785899	57	8	790144	56	8	794349	56
9	781684	65	9	785970	64	9	790215	63	9	794418	63
6050	781755		6110	786041		6170	790285		6230	794488	
1	781827	7	1	786112	7	1	790356	7	1	794558	7
2	781899	14	2	786183	14	2	790426	14	2	794627	14
3	781971	22	3	786254	21	3	790496	21	3	794697	21
4	782042	29	4	786325	28	4	790567	28	4	794767	28
5	782114	36	5	786396	36	5	790637	35	5	794836	35
6	782186	43	6	786467	43	6	790707	42	6	794906	42
7	782258	50	7	786538	50	7	790778	49	7	794976	49
8	782329	58	8	786609	57	8	790848	56	8	795045	56
9	782401	65	9	786680	64	9	790918	63	9	795115	63
6060	782473		6120	786751		6180	790988		6240	795185	
1	782544	7	1	786822	7	1	791059	7	1	795254	7
2	782616	14	2	786893	14	2	791129	14	2	795324	14
3	782688	21	3	786964	21	3	791199	21	3	795393	21
4	782759	29	4	787035	28	4	791269	28	4	795463	28
5	782831	36	5	787106	36	5	791340	35	5	795532	35
6	782902	43	6	787177	43	6	791410	42	6	795602	42
7	782974	50	7	787248	50	7	791480	49	7	795671	49
8	783046	57	8	787319	57	8	791550	56	8	795741	56
9	783117	64	9	787390	64	9	791620	63	9	795810	63
6070	783189		6130	787460		6190	791691		6250	795880	
1	783260	7	1	787531	7	1	791761	7	1	795949	7
2	783332	14	2	787602	14	2	791831	14	2	796019	14
3	783403	21	3	787673	21	3	791901	21	3	796088	21
4	783475	29	4	787744	28	4	791971	28	4	796158	28
5	783546	36	5	787815	35	5	792041	35	5	796227	35
6	783618	43	6	787885	42	6	792111	42	6	796297	42
7	783689	50	7	787956	49	7	792181	49	7	796366	49
8	783761	57	8	788027	56	8	792252	56	8	796436	56
9	783832	64	9	788098	63	9	792322	63	9	796505	63
6080	783904		6140	788168		6200	792392		6260	796574	
1	783975	7	1	788239	7	1	792462	7	1	796644	7
2	784046	14	2	788310	14	2	792532	14	2	796713	14
3	784118	21	3	788381	21	3	792602	21	3	796782	21
4	784189	29	4	788451	28	4	792672	28	4	796852	27
5	784261	36	5	788522	35	5	792742	35	5	796921	35
6	784332	43	6	788593	42	6	792812	42	6	796990	42
7	784403	50	7	788663	49	7	792882	49	7	797060	49
8	784475	57	8	788734	56	8	792952	56	8	797129	56
9	784546	64	9	788804	63	9	793022	63	9	797198	62
6090	784617		6150	788875		6210	793092		6270	797268	
1	784689	7	1	788946	7	1	793162	7	1	797337	7
2	784760	14	2	789016	14	2	793231	14	2	797406	14
3	784831	21	3	789087	21	3	793301	21	3	797475	21
4	784902	29	4	789157	28	4	793371	28	4	797545	27
5	784974	36	5	789228	35	5	793441	35	5	797614	35
6	785045	43	6	789299	42	6	793511	42	6	797683	42
7	785116	50	7	789369	49	7	793581	49	7	797752	49
8	785187	57	8	789440	56	8	793651	56	8	797821	56
9	785259	64	9	789510	63	9	793721	63	9	797890	62

No.	Log.	Prop. Part.	No.	Log.	Prop. Part.	No.	Log.	Prop. Part.	No.	Log.	Prop. Part.
6280	797960		6340	802089		6400	806180		6460	810233	
1	798029	7	1	802158	7	1	806248	7	1	810300	7
2	798098	14	2	802226	14	2	806316	14	2	810367	13
3	798167	21	3	802295	21	3	806384	20	3	810434	20
4	798236	28	4	802363	27	4	806451	27	4	810501	27
5	798305	34	5	802432	34	5	806519	34	5	810569	33
6	798374	41	6	802500	41	6	806587	41	6	810636	40
7	798443	48	7	802568	48	7	806655	48	7	810703	47
8	798512	55	8	802637	55	8	806723	54	8	810770	54
9	798582	62	9	802705	62	9	806790	61	9	810837	60
6290	798651		6350	802774		6410	806858		6470	810904	
1	798720	7	1	802842	7	1	806926	7	1	810971	7
2	798789	14	2	802910	14	2	806994	14	2	811038	13
3	798858	21	3	802979	21	3	807061	20	3	811106	20
4	798927	28	4	803047	27	4	807129	27	4	811173	27
5	798996	34	5	803116	34	5	807197	34	5	811240	33
6	799065	41	6	803184	41	6	807264	41	6	811307	40
7	799134	48	7	803252	48	7	807332	48	7	811374	47
8	799203	55	8	803320	55	8	807400	54	8	811441	54
9	799272	62	9	803389	62	9	807467	61	9	811508	60
6300	799341		6360	803457		6420	807535		6480	811575	
1	799409	7	1	803525	7	1	807603	7	1	811642	7
2	799478	14	2	803594	14	2	807670	14	2	811709	13
3	799547	21	3	803662	21	3	807738	20	3	811776	20
4	799616	28	4	803730	27	4	807806	27	4	811843	27
5	799685	34	5	803798	34	5	807873	34	5	811910	33
6	799754	41	6	803867	41	6	807941	41	6	811977	40
7	799823	48	7	803935	48	7	808008	48	7	812044	47
8	799892	55	8	804003	55	8	808076	54	8	812111	54
9	799961	62	9	804071	62	9	808143	61	9	812178	60
6310	800029		6370	804139		6430	808211		6490	812245	
1	800098	7	1	804208	7	1	808279	7	1	812312	7
2	800167	14	2	804276	14	2	808346	14	2	812378	13
3	800236	21	3	804344	21	3	808414	20	3	812445	20
4	800305	28	4	804412	27	4	808481	27	4	812512	27
5	800373	34	5	804480	34	5	808549	34	5	812579	33
6	800442	41	6	804548	41	6	808616	41	6	812646	40
7	800511	48	7	804616	48	7	808684	48	7	812713	47
8	800580	55	8	804685	55	8	808751	54	8	812780	54
9	800648	62	9	804753	62	9	808818	61	9	812847	60
6320	800717		6380	804821		6440	808886		6500	812913	
1	800786	7	1	804889	7	1	808953	7	1	812980	7
2	800854	14	2	804957	14	2	809021	13	2	813047	13
3	800923	21	3	805025	20	3	809088	20	3	813114	20
4	800992	28	4	805093	27	4	809156	27	4	813181	27
5	801060	34	5	805161	34	5	809223	34	5	813247	33
6	801129	41	6	805229	41	6	809290	40	6	813314	40
7	801198	48	7	805297	48	7	809358	47	7	813381	47
8	801266	55	8	805365	54	8	809425	54	8	813448	54
9	801335	62	9	805433	61	9	809492	61	9	813514	60
6330	801404		6390	805501		6450	809560		6510	813581	
1	801472	7	1	805569	7	1	809627	7	1	813648	7
2	801541	14	2	805637	14	2	809694	13	2	813714	13
3	801609	21	3	805705	20	3	809762	20	3	813781	20
4	801678	27	4	805773	27	4	809829	27	4	813848	27
5	801747	34	5	805841	34	5	809896	34	5	813914	33
6	801815	41	6	805908	41	6	809964	40	6	813981	40
7	801884	48	7	805976	48	7	810031	47	7	814048	47
8	801952	55	8	806044	54	8	810098	54	8	814114	54
9	802021	62	9	806112	61	9	810165	61	9	814181	60

No.	Log.	Prop. Part.	No.	Log.	Prop. Part.	No.	Log.	Prop. Part.	No.	Log.	Prop. Part.
6520	814248		6580	818226		6640	822168		6700	826075	
1	814314	7	1	818292	7	1	822233	7	1	826140	6
2	814381	13	2	818358	13	2	822299	13	2	826204	13
3	814447	20	3	818424	20	3	822364	20	3	826269	19
4	814514	26	4	818490	26	4	822430	26	4	826334	26
5	814581	33	5	818556	33	5	822495	33	5	826399	32
6	814647	40	6	818622	40	6	822560	39	6	826464	39
7	814714	46	7	818688	46	7	822626	46	7	826528	45
8	814780	53	8	818754	53	8	822691	52	8	826593	52
9	814847	60	9	818819	59	9	822756	59	9	826658	58
6530	814913		6590	818885		6650	822823		6710	826722	
1	814980	7	1	818951	7	1	822887	7	1	826787	6
2	815046	13	2	819017	13	2	822952	13	2	826852	13
3	815113	20	3	819083	20	3	823018	20	3	826917	19
4	815179	26	4	819149	26	4	823083	26	4	826981	26
5	815246	33	5	819215	33	5	823148	33	5	827046	32
6	815312	40	6	819281	40	6	823213	39	6	827111	39
7	815378	46	7	819346	46	7	823279	46	7	827175	45
8	815445	53	8	819412	53	8	823344	52	8	827240	52
9	815511	60	9	819478	59	9	823409	59	9	827305	58
6540	815578		6600	819544		6660	823474		6720	827369	
1	815644	7	1	819610	7	1	823539	7	1	827434	6
2	815711	13	2	819675	13	2	823605	13	2	827498	13
3	815777	20	3	819741	20	3	823670	20	3	827563	19
4	815843	26	4	819807	26	4	823735	26	4	827628	26
5	815910	33	5	819873	33	5	823800	33	5	827692	32
6	815976	40	6	819939	40	6	823865	39	6	827757	39
7	816042	46	7	820004	46	7	823930	46	7	827821	45
8	816109	53	8	820070	53	8	823996	52	8	827886	52
9	816175	60	9	820136	59	9	824061	59	9	827951	58
6550	816241		6610	820201		6670	824126		6730	828015	
1	816308	7	1	820267	7	1	824191	6	1	828080	6
2	816374	13	2	820333	13	2	824256	13	2	828144	13
3	816440	20	3	820399	20	3	824321	19	3	828209	19
4	816506	26	4	820464	26	4	824386	26	4	828273	26
5	816573	33	5	820530	33	5	824451	32	5	828338	32
6	816639	40	6	820595	40	6	824516	39	6	828402	39
7	816705	46	7	820661	46	7	824581	45	7	828467	45
8	816771	53	8	820727	53	8	824646	52	8	828531	52
9	816838	60	9	820792	59	9	824711	58	9	828595	58
6560	816904		6620	820858		6680	824776		6740	828660	
1	816970	7	1	820924	7	1	824841	6	1	828724	6
2	817036	13	2	820989	13	2	824906	13	2	828789	13
3	817102	20	3	821055	20	3	824971	19	3	828853	19
4	817169	26	4	821120	26	4	825036	26	4	828918	26
5	817235	33	5	821186	33	5	825101	32	5	828982	32
6	817301	40	6	821251	40	6	825166	39	6	829046	39
7	817367	46	7	821317	46	7	825231	45	7	829111	45
8	817433	53	8	821382	53	8	825296	52	8	829175	52
9	817499	59	9	821448	59	9	825361	58	9	829239	58
6570	817565		6630	821514		6690	825426		6750	829304	
1	817631	7	1	821579	7	1	825491	6	1	829368	6
2	817698	13	2	821644	13	2	825556	13	2	829432	13
3	817764	20	3	821710	20	3	825621	19	3	829497	19
4	817830	26	4	821775	26	4	825686	26	4	829561	26
5	817896	33	5	821841	33	5	825751	32	5	829625	32
6	817962	40	6	821906	39	6	825815	39	6	829690	39
7	818028	46	7	821972	46	7	825880	45	7	829754	45
8	818094	53	8	822037	52	8	825945	52	8	829818	52
9	818160	59	9	822103	59	9	826010	58	9	829882	58

No.	Log.	Prop. Part.	No.	Log.	Prop. Part.	No.	Log	Prop. Part.	No.	Log.	Prop. Part.
6760	829947		6820	833784		6880	837588		6940	841359	
1	830011	6	1	833848	6	1	837652	6	1	841422	6
2	830075	13	2	833912	13	2	837715	13	2	841485	13
3	830139	19	3	833975	19	3	837778	19	3	841547	19
4	830204	26	4	834039	26	4	837841	25	4	841610	25
5	830268	32	5	834103	32	5	837904	32	5	841672	31
6	830332	38	6	834166	38	6	837967	38	6	841735	38
7	830396	45	7	834230	45	7	838030	44	7	841797	44
8	830460	51	8	834293	51	8	838093	50	8	841860	50
9	830525	58	9	834357	58	9	838156	57	9	841922	56
6770	830589		6830	834421		6890	838219		6950	841985	
1	830653	6	1	834484	6	1	838282	6	1	842047	6
2	830717	13	2	834548	13	2	838345	13	2	842110	12
3	830781	19	3	834611	19	3	838408	19	3	842172	19
4	830845	26	4	834675	26	4	838471	25	4	842235	25
5	830909	32	5	834739	32	5	838534	32	5	842297	31
6	830973	38	6	834802	38	6	838597	38	6	842360	37
7	831037	45	7	834866	45	7	838660	44	7	842422	44
8	831102	51	8	834929	51	8	838723	50	8	842484	50
9	831166	58	9	834993	58	9	838786	57	9	842547	56
6780	831230		6840	835056		6900	838849		6960	842609	
1	831294	6	1	835120	6	1	838912	6	1	842672	6
2	831358	13	2	835183	13	2	838975	13	2	842734	12
3	831422	19	3	835247	19	3	839038	19	3	842796	19
4	831486	26	4	835310	26	4	839101	25	4	842859	25
5	831550	32	5	835373	32	5	839164	31	5	842921	31
6	831614	38	6	835437	38	6	839227	38	6	842983	37
7	831678	45	7	835500	45	7	839289	44	7	843046	44
8	831742	51	8	835564	51	8	839352	50	8	843108	50
9	831806	58	9	835627	58	9	839415	57	9	843170	56
6790	831870		6850	835691		6910	839478		6970	843233	
1	831934	6	1	835754	6	1	839541	6	1	843295	6
2	831998	13	2	835817	13	2	839604	13	2	843357	12
3	832062	19	3	835881	19	3	839667	19	3	843420	19
4	832126	26	4	835944	26	4	839729	25	4	843482	25
5	832189	32	5	836007	32	5	839792	31	5	843544	31
6	832253	38	6	836071	38	6	839855	38	6	843606	37
7	832317	45	7	836134	45	7	839918	44	7	843669	43
8	832381	51	8	836197	51	8	839981	50	8	843731	50
9	832445	58	9	836261	58	9	840043	57	9	843793	56
6800	832509		6860	836324		6920	840106		6980	843855	
1	832573	6	1	836387	6	1	840169	6	1	843918	6
2	832637	13	2	836451	13	2	840232	13	2	843980	12
3	832700	19	3	836514	19	3	840294	19	3	844042	19
4	832764	26	4	836577	26	4	840357	25	4	844104	25
5	832828	32	5	836641	32	5	840420	31	5	844166	31
6	832892	38	6	836704	38	6	840482	38	6	844229	37
7	832956	45	7	836767	45	7	840545	44	7	844291	43
8	833020	51	8	836830	51	8	840608	50	8	844353	50
9	833083	58	9	836894	58	9	840671	57	9	844415	56
6810	833147		6870	836957		6930	840733		6990	844477	
1	833211	6	1	837020	6	1	840796	6	1	844539	6
2	833275	13	2	837083	13	2	840859	13	2	844601	12
3	833338	19	3	837146	19	3	840921	19	3	844664	19
4	833402	26	4	837210	25	4	840984	25	4	844726	25
5	833466	32	5	837273	32	5	841046	31	5	844788	31
6	833530	38	6	837336	38	6	841109	38	6	844850	37
7	833593	45	7	837399	44	7	841172	44	7	844912	43
8	833657	51	8	837462	51	8	841234	50	8	844974	50
9	833721	58	9	837525	57	9	841297	56	9	845036	56

No.	Log.	Prop. Part.	No.	Log.	Prop. Part.	No.	Log.	Prop. Part.	No.	Log.	Prop. Part.
7000	845098		7060	848805		7120	852480		7180	856124	
1	845160	6	1	848866	6	1	852541	6	1	856185	6
2	845222	12	2	848928	12	2	852602	12	2	856245	12
3	845284	19	3	848989	18	3	852663	18	3	856306	18
4	845346	25	4	849051	25	4	852724	24	4	856366	24
5	845408	31	5	849112	31	5	852785	30	5	856427	30
6	845470	37	6	849174	37	6	852846	37	6	856487	36
7	845532	43	7	849235	43	7	852907	43	7	856548	42
8	845594	50	8	849296	49	8	852968	49	8	856608	48
9	845656	56	9	849358	55	9	853029	55	9	856668	54
7010	845718		7070	849419		7130	853090		7190	856729	
1	845780	6	1	849481	6	1	853150	6	1	856789	6
2	845842	12	2	849542	12	2	853211	12	2	856850	12
3	845904	19	3	849604	18	3	853272	18	3	856910	18
4	845966	25	4	849665	25	4	853333	24	4	856970	24
5	846028	31	5	849726	31	5	853394	30	5	857031	30
6	846090	37	6	849788	37	6	853455	37	6	857091	36
7	846151	43	7	849849	43	7	853516	43	7	857151	42
8	846213	50	8	849911	49	8	853576	49	8	857212	48
9	846275	56	9	849972	55	9	853637	55	9	857272	54
7020	846337		7080	850033		7140	853698		7200	857332	
1	846399	6	1	850095	6	1	853759	6	1	857393	6
2	846461	12	2	850156	12	2	853820	12	2	857453	12
3	846523	19	3	850217	18	3	853881	18	3	857513	18
4	846584	25	4	850279	25	4	853941	24	4	857574	24
5	846646	31	5	850340	31	5	854002	30	5	857634	30
6	846708	37	6	850401	37	6	854063	37	6	857694	36
7	846770	43	7	850462	43	7	854124	43	7	857754	42
8	846832	50	8	850524	49	8	854185	49	8	857815	48
9	846894	56	9	850585	55	9	854245	55	9	857875	54
7030	846955		7090	850646		7150	854306		7210	857935	
1	847017	6	1	850707	6	1	854367	6	1	857995	6
2	847079	12	2	850769	12	2	854427	12	2	858056	12
3	847141	19	3	850830	18	3	854488	18	3	858116	18
4	847202	25	4	850891	25	4	854549	24	4	858176	24
5	847264	31	5	850952	31	5	854610	30	5	858236	30
6	847326	37	6	851014	37	6	854670	36	6	858297	36
7	847388	43	7	851075	43	7	854731	42	7	858357	42
8	847449	50	8	851136	49	8	854792	48	8	858417	48
9	847511	56	9	851197	55	9	854852	54	9	858477	54
7040	847573		7100	851258		7160	854913		7220	858537	
1	847634	6	1	851320	6	1	854974	6	1	858597	6
2	847696	12	2	851381	12	2	855034	12	2	858657	12
3	847758	18	3	851442	18	3	855095	18	3	858718	18
4	847819	25	4	851503	25	4	855156	24	4	858778	24
5	847881	31	5	851564	31	5	855216	30	5	858838	30
6	847943	37	6	851625	37	6	855277	36	6	858898	36
7	848004	43	7	851686	43	7	855337	42	7	858958	42
8	848066	49	8	851747	49	8	855398	48	8	859018	48
9	848127	55	9	851808	55	9	855459	54	9	859078	54
7050	848189		7110	851870		7170	855519		7230	859138	
1	848251	6	1	851931	6	1	855580	6	1	859198	6
2	848312	12	2	851992	12	2	855640	12	2	859258	12
3	848374	18	3	852053	18	3	855701	18	3	859318	18
4	848435	25	4	852114	25	4	855761	24	4	859378	24
5	848497	31	5	852175	31	5	855822	30	5	859438	30
6	848559	37	6	852236	37	6	855882	36	6	859499	36
7	848620	43	7	852297	43	7	855943	42	7	859559	42
8	848682	49	8	852358	49	8	856003	48	8	859619	48
9	848743	55	9	852419	55	9	856064	54	9	859679	54

No.	Log.	Prop. Part.	No.	Log.	Prop. Part.	No.	Log.	Prop. Part.	No.	Log.	Prop. Part.
7240	859739		7300	863323		7360	866878		7420	870404	
1	859799	6	1	863382	6	1	866937	6	1	870462	6
2	859858	12	2	863442	12	2	866996	12	2	870521	12
3	859918	18	3	863501	18	3	867055	18	3	870579	18
4	859978	24	4	863561	24	4	867114	24	4	870638	24
5	860038	30	5	863620	30	5	867173	29	5	870696	29
6	860098	36	6	863680	36	6	867232	35	6	870755	35
7	860158	42	7	863739	42	7	867291	41	7	870813	41
8	860218	48	8	863798	48	8	867350	47	8	870872	47
9	860278	54	9	863858	54	9	867409	53	9	870930	53
7250	860338		7310	863917		7370	867467		7430	870989	
1	860398	6	1	863977	6	1	867526	6	1	871047	6
2	860458	12	2	864036	12	2	867585	12	2	871106	12
3	860518	18	3	864096	18	3	867644	18	3	871164	18
4	860578	24	4	864155	24	4	867703	24	4	871223	24
5	860637	30	5	864214	30	5	867762	29	5	871281	29
6	860697	36	6	864274	36	6	867821	35	6	871339	35
7	860757	42	7	864333	42	7	867880	41	7	871398	41
8	860817	48	8	864392	48	8	867939	47	8	871456	47
9	860877	54	9	864452	54	9	867998	53	9	871515	53
7260	860937		7320	864511		7380	868056		7440	871573	
1	860996	6	1	864570	6	1	868115	6	1	871631	6
2	861056	12	2	864630	12	2	868174	12	2	871690	12
3	861116	18	3	864689	18	3	868233	18	3	871748	18
4	861176	24	4	864748	24	4	868292	24	4	871806	23
5	861236	30	5	864808	30	5	868350	29	5	871865	29
6	861295	36	6	864867	36	6	868409	35	6	871923	35
7	861355	42	7	864926	42	7	868468	41	7	871981	41
8	861415	48	8	864985	48	8	868527	47	8	872040	47
9	861475	54	9	865045	54	9	868586	53	9	872098	53
7270	861534		7330	865104		7390	868644		7450	872156	
1	861594	6	1	865163	6	1	868703	6	1	872215	6
2	861654	12	2	865222	12	2	868762	12	2	872273	12
3	861714	18	3	865282	18	3	868821	18	3	872331	18
4	861773	24	4	865341	24	4	868879	24	4	872389	23
5	861833	30	5	865400	30	5	868938	29	5	872448	29
6	861893	36	6	865459	36	6	868997	35	6	872506	35
7	861952	42	7	865518	42	7	869056	41	7	872564	41
8	862012	48	8	865578	48	8	869114	47	8	872622	47
9	862072	54	9	865637	54	9	869173	53	9	872681	53
7280	862131		7340	865696		7400	869232		7460	872739	
1	862191	6	1	865755	6	1	869290	6	1	872797	6
2	862251	12	2	865814	12	2	869349	12	2	872855	12
3	862310	18	3	865874	18	3	869408	18	3	872913	18
4	862370	24	4	865933	24	4	869466	24	4	872972	23
5	862430	30	5	865992	30	5	869525	29	5	873030	29
6	862489	36	6	866051	36	6	869584	35	6	873088	35
7	862549	42	7	866110	42	7	869642	41	7	873146	41
8	862608	48	8	866169	48	8	869701	47	8	873204	47
9	862668	54	9	866228	54	9	869760	53	9	873262	53
7290	862728		7350	866287		7410	869818		7470	873321	
1	862787	6	1	866346	6	1	869877	6	1	873379	6
2	862847	12	2	866405	12	2	869935	12	2	873437	12
3	862906	18	3	866465	18	3	869994	18	3	873495	18
4	862966	24	4	866524	24	4	870053	24	4	873553	23
5	863025	30	5	866583	30	5	870111	29	5	873611	29
6	863085	36	6	866642	35	6	870170	35	6	873669	35
7	863144	42	7	866701	41	7	870228	41	7	873727	41
8	863204	48	8	866760	47	8	870287	47	8	873785	47
9	863263	54	9	866819	53	9	870345	53	9	873844	53

No.	Log.	Prop. Part.	No.	Log.	Prop. Part.	No.	Log.	Prop. Part.	No.	Log.	Prop. Part.
7480	873902		7540	877371		7600	880814		7660	884229	
1	873960	6	1	877429	6	1	880871	6	1	884285	6
2	874018	12	2	877486	12	2	880928	11	2	884342	11
3	874076	17	3	877544	17	3	880985	17	3	884399	17
4	874134	23	4	877602	23	4	881042	23	4	884455	23
5	874192	29	5	877659	29	5	881099	28	5	884512	28
6	874250	35	6	877717	34	6	881156	34	6	884569	34
7	874308	41	7	877774	40	7	881213	40	7	884625	40
8	874366	46	8	877832	46	8	881270	46	8	884682	46
9	874424	52	9	877889	52	9	881328	51	9	884739	51
7490	874482		7550	877947		7610	881385		7670	884795	
1	874540	6	1	878004	6	1	881442	6	1	884852	6
2	874598	12	2	878062	12	2	881499	11	2	884909	11
3	874656	17	3	878119	17	3	881556	17	3	884965	17
4	874714	23	4	878177	23	4	881613	23	4	885022	23
5	874772	29	5	878234	29	5	881670	28	5	885078	28
6	874830	35	6	878292	34	6	881727	34	6	885135	34
7	874887	41	7	878349	40	7	881784	40	7	885192	40
8	874945	46	8	878407	46	8	881841	46	8	885248	46
9	875003	52	9	878464	52	9	881898	51	9	885305	51
7500	875061		7560	878522		7620	881955		7680	885361	
1	875119	6	1	878579	6	1	882012	6	1	885418	6
2	875177	12	2	878637	12	2	882069	11	2	885474	11
3	875235	17	3	878694	17	3	882126	17	3	885531	17
4	875293	23	4	878751	23	4	882183	23	4	885587	23
5	875351	29	5	878809	29	5	882240	28	5	885644	28
6	875409	35	6	878866	34	6	882297	34	6	885700	34
7	875466	41	7	878924	40	7	882354	40	7	885757	39
8	875524	46	8	878981	46	8	882411	46	8	885813	45
9	875582	52	9	879038	52	9	882468	51	9	885870	51
7510	875640		7570	879096		7630	882524		7690	885926	
1	875698	6	1	879153	6	1	882581	6	1	885983	6
2	875756	12	2	879211	12	2	882638	11	2	886039	11
3	875813	17	3	879268	17	3	882695	17	3	886096	17
4	875871	23	4	879325	23	4	882752	23	4	886152	23
5	875929	29	5	879383	29	5	882809	28	5	886209	28
6	875987	35	6	879440	34	6	882866	34	6	886265	34
7	876045	41	7	879497	40	7	882923	40	7	886321	39
8	876102	46	8	879555	46	8	882980	46	8	886378	45
9	876160	52	9	879612	52	9	883037	51	9	886434	51
7520	876218		7580	879669		7640	883093		7700	886491	
1	876276	6	1	879726	6	1	883150	6	1	886547	6
2	876333	12	2	879784	11	2	883207	11	2	886604	11
3	876391	17	3	879841	17	3	883264	17	3	886660	17
4	876449	23	4	879898	23	4	883321	23	4	886716	23
5	876507	29	5	879956	28	5	883377	28	5	886773	28
6	876564	34	6	880013	34	6	883434	34	6	886829	34
7	876622	40	7	880070	40	7	883491	40	7	886885	39
8	876680	46	8	880127	46	8	883548	46	8	886942	45
9	876737	52	9	880185	51	9	883605	51	9	886998	51
7530	876795		7590	880242		7650	883661		7710	887054	
1	876853	6	1	880299	6	1	883718	6	1	887111	6
2	876910	12	2	880356	11	2	883775	11	2	887167	11
3	876968	17	3	880413	17	3	883832	17	3	887223	17
4	877026	23	4	880471	23	4	883888	23	4	887280	23
5	877083	29	5	880528	28	5	883945	28	5	887336	28
6	877141	34	6	880585	34	6	884002	34	6	887392	34
7	877198	40	7	880642	40	7	884059	40	7	887449	39
8	877256	46	8	880699	46	8	884115	46	8	887505	45
9	877314	52	9	880756	51	9	884172	51	9	887561	51

No.	Log.	Prop. Part.	No.	Log.	Prop. Part.	No.	Log.	Prop. Part.	No.	Log.	Prop. Part.
7720	887617		7780	890980		7840	894316		7900	897627	
1	887674	6	1	891035	6	1	894371	6	1	897682	6
2	887730	11	2	891091	11	2	894427	11	2	897737	11
3	887786	17	3	891147	17	3	894482	17	3	897792	17
4	887842	23	4	891203	22	4	894538	22	4	897847	22
5	887898	28	5	891259	28	5	894593	27	5	897902	27
6	887955	34	6	891314	34	6	894648	33	6	897957	33
7	888011	39	7	891370	39	7	894704	39	7	898012	39
8	888067	45	8	891426	45	8	894759	44	8	898067	44
9	888123	51	9	891482	50	9	894814	50	9	898122	50
7730	888179		7790	891537		7850	894870		7910	898176	
1	888236	6	1	891593	6	1	894925	6	1	898231	6
2	888292	11	2	891649	11	2	894980	11	2	898286	11
3	888348	17	3	891705	17	3	895036	17	3	898341	17
4	888404	22	4	891760	22	4	895091	22	4	898396	22
5	888460	28	5	891816	28	5	895146	27	5	898451	27
6	888516	34	6	891872	33	6	895201	33	6	898506	33
7	888573	39	7	891928	39	7	895257	39	7	898561	39
8	888629	45	8	891983	44	8	895312	44	8	898615	44
9	888685	50	9	892039	50	9	895367	50	9	898670	50
7740	888741		7800	892095		7860	895423		7920	898725	
1	888797	6	1	892150	6	1	895478	6	1	898780	5
2	888853	11	2	892206	11	2	895533	11	2	898835	11
3	888909	17	3	892262	17	3	895588	17	3	898890	17
4	888965	22	4	892317	22	4	895643	22	4	898944	22
5	889021	28	5	892373	28	5	895699	27	5	898999	27
6	889077	34	6	892429	33	6	895754	33	6	899054	33
7	889134	39	7	892484	39	7	895809	39	7	899109	38
8	889190	45	8	892540	44	8	895864	44	8	899164	44
9	889246	50	9	892595	50	9	895920	50	9	899218	50
7750	889302		7810	892651		7870	895975		7930	899273	
1	889358	6	1	892707	6	1	896030	6	1	899328	5
2	889414	11	2	892762	11	2	896085	11	2	899383	11
3	889470	17	3	892818	17	3	896140	17	3	899437	17
4	889526	22	4	892873	22	4	896195	22	4	899492	22
5	889582	28	5	892929	28	5	896251	27	5	899547	27
6	889638	34	6	892985	33	6	896306	33	6	899602	33
7	889694	39	7	893040	39	7	896361	39	7	899656	38
8	889750	45	8	893096	44	8	896416	44	8	899711	44
9	889806	50	9	893151	50	9	896471	50	9	899766	50
7760	889862		7820	893207		7880	896526		7940	899820	
1	889918	6	1	893262	6	1	896581	6	1	899875	5
2	889974	11	2	893318	11	2	896636	11	2	899930	11
3	890030	17	3	893373	17	3	896692	17	3	899985	17
4	890086	22	4	893429	22	4	896747	22	4	900039	22
5	890141	28	5	893484	28	5	896802	27	5	900094	27
6	890197	34	6	893540	33	6	896857	33	6	900149	33
7	890253	39	7	893595	39	7	896912	39	7	900203	38
8	890309	45	8	893651	44	8	896967	44	8	900258	44
9	890365	50	9	893706	50	9	897022	50	9	900312	50
7770	890421		7830	893762		7890	897077		7950	900367	
1	890477	6	1	893817	6	1	897132	6	1	900422	5
2	890533	11	2	893873	11	2	897187	11	2	900476	11
3	890589	17	3	893928	17	3	897242	17	3	900531	17
4	890644	22	4	893984	22	4	897297	22	4	900586	22
5	890700	28	5	894039	28	5	897352	27	5	900640	27
6	890756	34	6	894094	33	6	897407	33	6	900695	33
7	890812	39	7	894150	39	7	897462	39	7	900749	38
8	890868	45	8	894205	44	8	897517	44	8	900804	44
9	890924	50	9	894261	50	9	897572	50	9	900858	50

No.	Log.	Prop. Part.	No.	Log.	Prop. Part.	No.	Log.	Prop. Part.	No.	Log.	Prop. Part.
7960	900913		8020	904174		8080	907411		8140	910624	
1	900968	5	1	904228	5	1	907465	5	1	910678	5
2	901022	11	2	904283	11	2	907519	11	2	910731	11
3	901077	16	3	904337	16	3	907573	16	3	910784	16
4	901131	22	4	904391	22	4	907626	22	4	910838	21
5	901186	27	5	904445	27	5	907680	27	5	910891	27
6	901240	33	6	904499	32	6	907734	32	6	910944	32
7	901295	38	7	904553	38	7	907787	38	7	910998	37
8	901349	44	8	904607	43	8	907841	43	8	911051	43
9	901404	49	9	904661	49	9	907895	49	9	911104	48
7970	901458		8030	904715		8090	907948		8150	911158	
1	901513	5	1	904770	5	1	908002	5	1	911211	5
2	901567	11	2	904824	11	2	908056	11	2	911264	11
3	901622	16	3	904878	16	3	908109	16	3	911317	16
4	901676	22	4	904932	22	4	908163	22	4	911371	21
5	901731	27	5	904986	27	5	908217	27	5	911424	27
6	901785	33	6	905040	32	6	908270	32	6	911477	32
7	901840	38	7	905094	38	7	908324	38	7	911530	37
8	901894	44	8	905148	43	8	908378	43	8	911584	42
9	901948	49	9	905202	49	9	908431	49	9	911637	48
7980	902003		8040	905256		8100	908485		8160	911690	
1	902057	5	1	905310	5	1	908539	5	1	911743	5
2	902112	11	2	905364	11	2	908592	11	2	911797	11
3	902166	16	3	905418	16	3	908646	16	3	911850	16
4	902221	22	4	905472	22	4	908699	21	4	911903	21
5	902275	27	5	905526	27	5	908753	27	5	911956	27
6	902329	33	6	905580	32	6	908807	32	6	912009	32
7	902384	38	7	905634	38	7	908860	37	7	912063	37
8	902438	44	8	905688	43	8	908914	43	8	912116	42
9	902492	49	9	905742	49	9	908967	48	9	912169	48
7990	902547		8050	905796		8110	909021		8170	912222	
1	902601	5	1	905850	5	1	909074	5	1	912275	5
2	902655	11	2	905904	11	2	909128	11	2	912328	11
3	902710	16	3	005958	16	3	909181	16	3	912381	16
4	902764	22	4	906012	22	4	909235	21	4	912435	21
5	902818	27	5	906065	27	5	909288	27	5	912488	27
6	902873	33	6	906119	32	6	909342	32	6	912541	32
7	902927	38	7	906173	38	7	909395	37	7	912594	37
8	902981	44	8	906227	43	8	909449	43	8	912647	42
9	903036	49	9	906281	49	9	909502	48	9	912700	48
8000	903090		8060	906335		8120	909556		8180	912753	
1	903144	5	1	906389	5	1	909609	5	1	912806	5
2	903198	11	2	906443	11	2	909663	11	2	912859	11
3	903253	16	3	906497	16	3	909716	16	3	912913	16
4	903307	22	4	906550	22	4	909770	21	4	912966	21
5	903361	27	5	906604	27	5	909823	27	5	913019	27
6	903416	32	6	906658	32	6	909877	32	6	913072	32
7	903470	38	7	906712	38	7	909930	37	7	913125	37
8	903524	43	8	906766	43	8	909984	43	8	913178	42
9	903578	49	9	906820	49	9	910037	48	9	913231	48
8010	903632		8070	906873		8130	910090		8190	913284	
1	903687	5	1	906927	5	1	910144	5	1	913337	5
2	903741	11	2	906981	11	2	910197	11	2	913390	11
3	903795	16	3	907035	16	3	910251	16	3	913443	16
4	903849	22	4	907089	22	4	910304	21	4	913496	21
5	903903	27	5	907142	27	5	910358	27	5	913549	27
6	903958	32	6	907196	32	6	910411	32	6	913602	32
7	904012	38	7	907250	38	7	910464	37	7	913655	37
8	904066	43	8	907304	43	8	910518	43	8	913708	42
9	904120	49	9	907358	49	9	910571	48	9	913761	48

No.	Log.	Prop. Part.	No.	Log.	Prop. Part.	No.	Log.	Prop. Part.	No.	Log.	Prop. Part.
8200	913814		8260	916980		8320	920123		8380	923244	
1	913867	5	1	917033	5	1	920175	5	1	923296	5
2	913920	11	2	917085	11	2	920228	10	2	923348	10
3	913973	16	3	917138	16	3	920280	16	3	923399	16
4	914026	21	4	917190	21	4	920332	21	4	923451	21
5	914079	27	5	917243	26	5	920384	26	5	923503	26
6	914131	32	6	917295	31	6	920436	31	6	923555	31
7	914184	37	7	917348	37	7	920489	36	7	923607	36
8	914237	42	8	917400	42	8	920541	42	8	923658	42
9	914290	48	9	917453	47	9	920593	47	9	923710	47
8210	914343		8270	917505		8330	920645		8390	923762	
1	914396	5	1	917558	5	1	920697	5	1	923814	5
2	914449	11	2	917610	11	2	920749	10	2	923865	10
3	914502	16	3	917663	16	3	920801	16	3	923917	16
4	914555	21	4	917715	21	4	920853	21	4	923969	21
5	914608	27	5	917768	26	5	920906	26	5	924021	26
6	914660	32	6	917820	31	6	920958	31	6	924072	31
7	914713	37	7	917873	37	7	921010	36	7	924124	36
8	914766	42	8	917925	42	8	921062	42	8	924176	42
9	914819	48	9	917978	47	9	921114	47	9	924228	47
8220	914872		8280	918030		8340	921166		8400	924279	
1	914925	5	1	918083	5	1	921218	5	1	924331	5
2	914977	11	2	918135	11	2	921270	10	2	924383	10
3	915030	16	3	918188	16	3	921322	16	3	924434	15
4	915083	21	4	918240	21	4	921374	21	4	924486	21
5	915136	27	5	918292	26	5	921426	26	5	924538	26
6	915189	32	6	918345	31	6	921478	31	6	924589	31
7	915241	37	7	918397	37	7	921530	36	7	924641	36
8	915294	42	8	918450	42	8	921582	42	8	924693	41
9	915347	48	9	918502	47	9	921634	47	9	924744	46
8230	915400		8290	918555		8350	921686		8410	924796	
1	915453	5	1	918607	5	1	921738	5	1	924848	5
2	915505	11	2	918659	11	2	921790	10	2	924899	10
3	915558	16	3	918712	16	3	921842	16	3	924951	15
4	915611	21	4	918764	21	4	921894	21	4	925002	21
5	915664	27	5	918816	26	5	921946	26	5	925054	26
6	915716	32	6	918869	31	6	921998	31	6	925106	31
7	915769	37	7	918921	37	7	922050	36	7	925157	36
8	915822	42	8	918973	42	8	922102	42	8	925209	41
9	915874	48	9	919026	47	9	922154	47	9	925260	46
8240	915927		8300	919078		8360	922206		8420	925312	
1	915980	5	1	919130	5	1	922258	5	1	925364	5
2	916033	11	2	919183	11	2	922310	10	2	925415	10
3	916085	16	3	919235	16	3	922362	16	3	925467	15
4	916138	21	4	919287	21	4	922414	21	4	925518	21
5	916191	27	5	919340	26	5	922466	26	5	925570	26
6	916243	32	6	919392	31	6	922518	31	6	925621	31
7	916296	37	7	919444	37	7	922570	36	7	925673	36
8	916349	42	8	919496	42	8	922622	42	8	925724	41
9	916401	48	9	919549	47	9	922674	47	9	925776	46
8250	916454		8310	919601		8370	922725		8430	925828	
1	916507	5	1	919653	5	1	922777	5	1	925879	5
2	916559	11	2	919705	11	2	922829	10	2	925931	10
3	916612	16	3	919758	16	3	922881	16	3	925982	15
4	916664	21	4	919810	21	4	922933	21	4	926034	21
5	916717	26	5	919862	26	5	922985	26	5	926085	26
6	916770	31	6	919914	31	6	923037	31	6	926137	31
7	916822	37	7	919967	37	7	923088	36	7	926188	36
8	916875	42	8	920019	42	8	923140	42	8	926239	41
9	916927	47	9	920071	47	9	923192	47	9	926291	46

No.	Log.	Prop. Part.	No.	Log.	Prop. Part.	No.	Log.	Prop. Part.	No.	Log.	Prop. Part.
8440	926342		8500	929419		8560	932474		8620	935507	
1	926394	5	1	929470	5	1	932524	5	1	935558	5
2	926445	10	2	929521	10	2	932575	10	2	935608	10
3	926497	15	3	929572	15	3	932626	15	3	935658	15
4	926548	21	4	929623	20	4	932677	20	4	935709	20
5	926600	26	5	929674	26	5	932727	25	5	935759	25
6	926651	31	6	929725	31	6	932778	30	6	935809	30
7	926702	36	7	929776	36	7	932829	35	7	935860	35
8	926754	41	8	929827	41	8	932879	40	8	935910	40
9	926805	46	9	929878	46	9	932930	45	9	935960	45
8450	926857		8510	929930		8570	932981		8630	936011	
1	926908	5	1	929981	5	1	933031	5	1	936061	5
2	926959	10	2	930032	10	2	933082	10	2	936111	10
3	927011	15	3	930083	15	3	933133	15	3	936162	15
4	927062	21	4	930134	20	4	933183	20	4	936212	20
5	927114	26	5	930185	26	5	933234	25	5	936262	25
6	927165	31	6	930236	31	6	933285	30	6	936313	30
7	927216	36	7	930287	36	7	933335	35	7	936363	35
8	927268	41	8	930338	41	8	933386	40	8	936413	40
9	927319	46	9	930389	46	9	933437	45	9	936463	45
8460	927370		8520	930440		8580	933487		8640	936514	
1	927422	5	1	930491	5	1	933538	5	1	936564	5
2	927473	10	2	930541	10	2	933588	10	2	936614	10
3	927524	15	3	930592	15	3	933639	15	3	936664	15
4	927576	21	4	930643	20	4	933690	20	4	936715	20
5	927627	26	5	930694	25	5	933740	25	5	936765	25
6	927678	31	6	930745	31	6	933791	30	6	936815	30
7	927730	36	7	930796	36	7	933841	35	7	936865	35
8	927781	41	8	930847	41	8	933892	40	8	936916	40
9	927832	46	9	930898	46	9	933943	45	9	936966	45
8470	927883		8530	930949		8590	933993		8650	937016	
1	927935	5	1	931000	5	1	934044	5	1	937066	5
2	927986	10	2	931051	10	2	934094	10	2	937116	10
3	928037	15	3	931102	15	3	934145	15	3	937167	15
4	928088	21	4	931153	20	4	934195	20	4	937217	20
5	928140	26	5	931203	25	5	934246	25	5	937267	25
6	928191	31	6	931254	31	6	934296	30	6	937317	30
7	928242	36	7	931305	36	7	934347	35	7	937367	35
8	928293	41	8	931356	41	8	934397	40	8	937418	40
9	928345	46	9	931407	46	9	934448	45	9	937468	45
8480	928396		8540	931458		8600	934498		8660	937518	
1	928447	5	1	931509	5	1	934549	5	1	937568	5
2	928498	10	2	931560	10	2	934599	10	2	937618	10
3	928549	15	3	931610	15	3	934650	15	3	937668	15
4	928601	21	4	931661	20	4	934700	20	4	937718	20
5	928652	26	5	931712	25	5	934751	25	5	937769	25
6	928703	31	6	931763	31	6	934801	30	6	937819	30
7	928754	36	7	931814	36	7	934852	35	7	937869	35
8	928805	41	8	931864	41	8	934902	40	8	937919	40
9	928856	46	9	931915	46	9	934953	45	9	937969	45
8490	928908		8550	931966		8610	935003		8670	938019	
1	928959	5	1	932017	5	1	935054	5	1	938069	5
2	929010	10	2	932068	10	2	935104	10	2	938119	10
3	929061	15	3	932118	15	3	935154	15	3	938169	15
4	929112	20	4	932169	20	4	935205	20	4	938219	20
5	929163	26	5	932220	25	5	935255	25	5	938269	25
6	929214	31	6	932271	30	6	935306	30	6	938319	30
7	929266	36	7	932321	35	7	935356	35	7	938370	35
8	929317	41	8	932372	40	8	935406	40	8	938420	40
9	929368	46	9	932423	45	9	935457	45	9	938470	45

No.	Log.	Prop. Part.	No.	Log.	Prop. Part.	No.	Log.	Prop. Part.	No.	Log.	Prop. Part.
8680	938520		8740	941511		8800	944483		8860	947434	
1	938570	5	1	941561	5	1	944532	5	1	947483	5
2	938620	10	2	941611	10	2	944581	10	2	947532	10
3	938670	15	3	941660	15	3	944631	15	3	947581	15
4	938720	20	4	941710	20	4	944680	20	4	947630	20
5	938770	25	5	941760	25	5	944729	25	5	947679	25
6	938820	30	6	941809	30	6	944779	30	6	947728	29
7	938870	35	7	941859	35	7	944828	35	7	947777	34
8	938920	40	8	941909	40	8	944877	40	8	947826	39
9	938970	45	9	941958	45	9	944927	45	9	947875	44
8690	939020		8750	942008		8810	944976		8870	947924	
1	939070	5	1	942058	5	1	945025	5	1	947973	5
2	939120	10	2	942107	10	2	945074	10	2	948021	10
3	939170	15	3	942157	15	3	945124	15	3	948070	15
4	939220	20	4	942206	20	4	945173	20	4	948119	20
5	939270	25	5	942256	25	5	945222	25	5	948168	25
6	939319	30	6	942306	30	6	945272	30	6	948217	29
7	939369	35	7	942355	35	7	945321	35	7	948266	34
8	939419	40	8	942405	40	8	945370	40	8	948315	39
9	939469	45	9	942454	45	9	945419	45	9	948364	44
8700	939519		8760	942504		8820	945469		8880	948413	
1	939569	5	1	942554	5	1	945518	5	1	948462	5
2	939619	10	2	942603	10	2	945567	10	2	948511	10
3	939669	15	3	942653	15	3	945616	15	3	948560	15
4	939719	20	4	942702	20	4	945665	20	4	948608	20
5	939769	25	5	942752	25	5	945715	25	5	948657	25
6	939819	30	6	942801	30	6	945764	29	6	948706	29
7	939868	35	7	942851	35	7	945813	34	7	948755	34
8	939918	40	8	942900	40	8	945862	39	8	948804	39
9	939968	45	9	942950	45	9	945911	44	9	948853	44
8710	940018		8770	943000		8830	945961		8890	948902	
1	940068	5	1	943049	5	1	946010	5	1	948951	5
2	940118	10	2	943099	10	2	946059	10	2	948999	10
3	940168	15	3	943148	15	3	946108	15	3	949048	15
4	940218	20	4	943198	20	4	946157	20	4	949097	20
5	940267	25	5	943247	25	5	946207	25	5	949146	25
6	940317	30	6	943297	30	6	946256	29	6	949195	29
7	940367	35	7	943346	35	7	946305	34	7	949244	34
8	940417	40	8	943396	40	8	946354	39	8	949292	39
9	940467	45	9	943445	45	9	946403	44	9	949341	44
8720	940516		8780	943494		8840	946452		8900	949390	
1	940566	5	1	943544	5	1	946501	5	1	949439	5
2	940616	10	2	943593	10	2	946550	10	2	949488	10
3	940666	15	3	943643	15	3	946600	15	3	949536	15
4	940716	20	4	943692	20	4	946649	20	4	949585	20
5	940765	25	5	943742	25	5	946698	25	5	949634	25
6	940815	30	6	943791	30	6	946747	29	6	949683	29
7	940865	35	7	943841	35	7	946796	34	7	949731	34
8	940915	40	8	943890	40	8	946845	39	8	949780	39
9	940964	45	9	943939	45	9	946894	44	9	949829	44
8730	941014		8790	943989		8850	946943		8910	949878	
1	941064	5	1	944038	5	1	946992	5	1	949926	5
2	941114	10	2	944088	10	2	947041	10	2	949975	10
3	941163	15	3	944137	15	3	947090	15	3	950024	15
4	941213	20	4	944186	20	4	947139	20	4	950073	20
5	941263	25	5	944236	25	5	947189	25	5	950121	25
6	941313	30	6	944285	30	6	947238	29	6	950170	29
7	941362	35	7	944335	35	7	947287	34	7	950219	34
8	941412	40	8	944384	40	8	947336	39	8	950267	39
9	941462	45	9	944433	45	9	947385	44	9	950316	44

No.	Log.	Prop. Part.	No.	Log.	Prop. Part.	No.	Log.	Prop. Part.	No.	Log.	Prop. Part.
8920	950365		8980	953276		9040	956168		9100	959041	
1	950413	5	1	953325	5	1	956216	5	1	959089	5
2	950462	10	2	953373	10	2	956264	10	2	959137	10
3	950511	15	3	953421	15	3	956312	14	3	959184	14
4	950560	19	4	953470	19	4	956361	19	4	959232	19
5	950608	24	5	953518	24	5	956409	24	5	959280	24
6	950657	29	6	953566	29	6	956457	29	6	959328	29
7	950705	34	7	953615	34	7	956505	34	7	959375	34
8	950754	39	8	953663	39	8	956553	38	8	959423	38
9	950803	44	9	953711	44	9	956601	43	9	959471	43
8930	950851		8990	953760		9050	956649		9110	959518	
1	950900	5	1	953808	5	1	956697	5	1	959566	5
2	950949	10	2	953856	10	2	956745	10	2	959614	10
3	950997	15	3	953905	15	3	956792	14	3	959661	14
4	951046	19	4	953953	19	4	956840	19	4	959709	19
5	951095	24	5	954001	24	5	956888	24	5	959757	24
6	951143	29	6	954049	29	6	956936	29	6	959804	29
7	951192	34	7	954098	34	7	956984	34	7	959852	34
8	951240	39	8	954146	39	8	957032	38	8	959900	38
9	951289	44	9	954194	44	9	957080	43	9	959947	43
8940	951337		9000	954242		9060	957128		9120	959995	
1	951386	5	1	954291	5	1	957176	5	1	960042	5
2	951435	10	2	954339	10	2	957224	10	2	960090	10
3	951483	15	3	954387	14	3	957272	14	3	960138	14
4	951532	19	4	954435	19	4	957320	19	4	960185	19
5	951580	24	5	954484	24	5	957368	24	5	960233	24
6	951629	29	6	954532	29	6	957416	29	6	960280	28
7	951677	34	7	954580	34	7	957464	34	7	960328	33
8	951726	39	8	954628	38	8	957511	38	8	960376	38
9	951774	44	9	954677	43	9	957559	43	9	960423	43
8950	951823		9010	954725		9070	957607		9130	960471	
1	951872	5	1	954773	5	1	957655	5	1	960518	5
2	951920	10	2	954821	10	2	957703	10	2	960566	10
3	951969	15	3	954869	14	3	957751	14	3	960613	14
4	952017	19	4	954918	19	4	957799	19	4	960661	19
5	952066	24	5	954966	24	5	957847	24	5	960709	24
6	952114	29	6	955014	29	6	957894	29	6	960756	28
7	952163	34	7	955062	34	7	957942	34	7	960804	33
8	952211	39	8	955110	38	8	957990	38	8	960851	38
9	952259	44	9	955158	43	9	958038	43	9	960899	43
8960	952308		9020	955206		9080	958086		9140	960946	
1	952356	5	1	955255	5	1	958134	5	1	960994	5
2	952405	10	2	955303	10	2	958181	10	2	961041	10
3	952453	15	3	955351	14	3	958229	14	3	961089	14
4	952502	19	4	955399	19	4	958277	19	4	961136	19
5	952550	24	5	955447	24	5	958325	24	5	961184	24
6	952599	29	6	955495	29	6	958373	29	6	961231	28
7	952647	34	7	955543	34	7	958420	34	7	961279	33
8	952696	39	8	955592	38	8	958468	38	8	961326	38
9	952744	44	9	955640	43	9	958516	43	9	961374	43
8970	952792		9030	955688		9090	958564		9150	961421	
1	952841	5	1	955736	5	1	958612	5	1	961469	5
2	952889	10	2	955784	10	2	958659	10	2	961516	10
3	952938	15	3	955832	14	3	958707	14	3	961563	14
4	952986	19	4	955880	19	4	958755	19	4	961611	19
5	953034	24	5	955928	24	5	958803	24	5	961658	24
6	953083	29	6	955976	29	6	958850	29	6	961706	28
7	953131	34	7	956024	34	7	958898	34	7	961753	33
8	953180	39	8	956072	38	8	958946	38	8	961801	38
9	953228	44	9	956120	43	9	958994	43	9	961848	43

No.	Log.	Prop. Part.	No.	Log.	Prop. Part.	No.	Log.	Prop. Part.	No.	Log.	Prop. Part.
9160	961895		9220	964731		9280	967548		9340	970347	
1	961943	5	1	964778	5	1	967595	5	1	970393	5
2	961990	10	2	964825	9	2	967642	9	2	970440	9
3	962038	14	3	964872	14	3	967688	14	3	970486	14
4	962085	19	4	964919	19	4	967735	19	4	970533	19
5	962132	24	5	964966	24	5	967782	23	5	970579	23
6	962180	28	6	965013	28	6	967829	28	6	970626	28
7	962227	33	7	965060	33	7	967875	33	7	970672	33
8	962275	38	8	965108	38	8	967922	38	8	970719	37
9	962322	43	9	965155	42	9	967969	42	9	970765	42
9170	962369		9230	965202		9290	968016		9350	970812	
1	962417	5	1	965249	5	1	968062	5	1	970858	5
2	962464	9	2	965296	9	2	968109	9	2	970904	9
3	962511	14	3	965343	14	3	968156	14	3	970951	14
4	962559	19	4	965390	19	4	968203	19	4	970997	19
5	962606	24	5	965437	24	5	968249	23	5	971044	23
6	962653	28	6	965484	28	6	968296	28	6	971090	28
7	962701	33	7	965531	33	7	968343	33	7	971137	33
8	962748	38	8	965578	38	8	968389	38	8	971183	37
9	962795	42	9	965625	42	9	968436	42	9	971229	42
9180	962843		9240	965672		9300	968483		9360	971276	
1	962890	5	1	965719	5	1	968530	5	1	971322	5
2	962937	9	2	965766	9	2	968576	9	2	971369	9
3	962985	14	3	965813	14	3	968623	14	3	971415	14
4	963032	19	4	965860	19	4	968670	19	4	971461	19
5	963079	24	5	965907	24	5	968716	23	5	971508	23
6	963126	28	6	965954	28	6	968763	28	6	971554	28
7	963174	33	7	966001	33	7	968810	33	7	971600	33
8	963221	38	8	966048	38	8	968856	37	8	971647	37
9	963268	42	9	966095	42	9	968903	42	9	971693	42
9190	963315		9250	966142		9310	968950		9370	971740	
1	963363	5	1	966189	5	1	968996	5	1	971786	5
2	963410	9	2	966236	9	2	969043	9	2	971832	9
3	963457	14	3	966283	14	3	969090	14	3	971879	14
4	963504	19	4	966329	19	4	969136	19	4	971925	19
5	963552	24	5	966376	24	5	969183	23	5	971971	23
6	963599	28	6	966423	28	6	969229	28	6	972018	28
7	963646	33	7	966470	33	7	969276	33	7	972064	33
8	963693	38	8	966517	38	8	969323	37	8	972110	37
9	963741	42	9	966564	42	9	969369	42	9	972156	42
9200	963788		9260	966611		9320	969416		9380	972203	
1	963835	5	1	966658	5	1	969462	5	1	972249	5
2	963882	9	2	966705	9	2	969509	9	2	972295	9
3	963929	14	3	966752	14	3	969556	14	3	972342	14
4	963977	19	4	966798	19	4	969602	19	4	972388	18
5	964024	24	5	966845	24	5	969649	23	5	972434	23
6	964071	28	6	966892	28	6	969695	28	6	972480	28
7	964118	33	7	966939	33	7	969742	33	7	972527	32
8	964165	38	8	966986	38	8	969788	37	8	972573	37
9	964212	42	9	967033	42	9	969835	42	9	972619	41
9210	964260		9270	967080		9330	969882		9390	972666	
1	964307	5	1	967127	5	1	969928	5	1	972712	5
2	964354	9	2	967173	9	2	969975	9	2	972758	9
3	964401	14	3	967220	14	3	970021	14	3	972804	14
4	964448	19	4	967267	19	4	970068	19	4	972851	18
5	964495	24	5	967314	24	5	970114	23	5	972897	23
6	964542	28	6	967361	28	6	970161	28	6	972943	28
7	964590	33	7	967408	33	7	970207	33	7	972989	32
8	964637	38	8	967454	38	8	970254	37	8	973035	37
9	964684	42	9	967501	42	9	970300	42	9	973082	41

No.	Log.	Prop. Part.	No.	Log.	Prop. Part.	No.	Log.	Prop. Part.	No.	Log.	Prop. Part.
9400	973128		9460	975891		9520	978637		9580	981365	
1	973174	5	1	975937	5	1	978683	5	1	981411	5
2	973220	9	2	975983	9	2	978728	9	2	981456	9
3	973266	14	3	976029	14	3	978774	14	3	981501	14
4	973313	18	4	976075	18	4	978819	18	4	981547	18
5	973359	23	5	976121	23	5	978865	23	5	981592	23
6	973405	28	6	976166	28	6	978911	27	6	981637	27
7	973451	32	7	976212	32	7	978956	32	7	981683	32
8	973497	37	8	976258	37	8	979002	36	8	981728	36
9	973543	41	9	976304	41	9	979047	41	9	981773	41
9410	973590		9470	976350		9530	979093		9590	981819	
1	973636	5	1	976396	5	1	979138	5	1	981864	5
2	973682	9	2	976442	9	2	979184	9	2	981909	9
3	973728	14	3	976487	14	3	979230	14	3	981954	14
4	973774	18	4	976533	18	4	979275	18	4	982000	18
5	973820	23	5	976579	23	5	979321	23	5	982045	23
6	973866	28	6	976625	28	6	979366	27	6	982090	27
7	973913	32	7	976671	32	7	979412	32	7	982135	32
8	973959	37	8	976717	37	8	979457	36	8	982181	36
9	974005	41	9	976762	41	9	979503	41	9	982226	41
9420	974051		9480	976808		9540	979548		9600	982271	
1	974097	5	1	976854	5	1	979594	5	1	982316	5
2	974143	9	2	976900	9	2	979639	9	2	982362	9
3	974189	14	3	976946	14	3	979685	14	3	982407	14
4	974235	18	4	976991	18	4	979730	18	4	982452	18
5	974281	23	5	977037	23	5	979776	23	5	982497	23
6	974327	28	6	977083	27	6	979821	27	6	982543	27
7	974373	32	7	977129	32	7	979867	32	7	982588	32
8	974420	37	8	977175	37	8	979912	36	8	982633	36
9	974466	41	9	977220	41	9	979958	41	9	982678	41
9430	974512		9490	977266		9550	980003		9610	982723	
1	974558	5	1	977312	5	1	980049	5	1	982769	5
2	974604	9	2	977358	9	2	980094	9	2	982814	9
3	974650	14	3	977403	14	3	980140	14	3	982859	14
4	974696	18	4	977449	18	4	980185	18	4	982904	18
5	974742	23	5	977495	23	5	980231	23	5	982949	23
6	974788	28	6	977541	27	6	980276	27	6	982994	27
7	974834	32	7	977586	32	7	980322	32	7	983040	32
8	974880	37	8	977632	37	8	980367	36	8	983085	36
9	974926	41	9	977678	41	9	980412	41	9	983130	41
9440	974972		9500	977724		9560	980458		9620	983175	
1	975018	5	1	977769	5	1	980503	5	1	983220	5
2	975064	9	2	977815	9	2	980549	9	2	983265	9
3	975110	14	3	977861	14	3	980594	14	3	983310	14
4	975156	18	4	977906	18	4	980640	18	4	983356	18
5	975202	23	5	977952	23	5	980685	23	5	983401	23
6	975248	28	6	977998	27	6	980730	27	6	983446	27
7	975294	32	7	978043	32	7	980776	32	7	983491	32
8	975340	37	8	978089	37	8	980821	36	8	983536	36
9	975386	41	9	978135	41	9	980867	41	9	983581	41
9450	975432		9510	978180		9570	980912		9630	983626	
1	975478	5	1	978226	5	1	980957	5	1	983671	5
2	975524	9	2	978272	9	2	981003	9	2	983716	9
3	975570	14	3	978317	14	3	981048	14	3	983762	14
4	975616	18	4	978363	18	4	981093	18	4	983807	18
5	975661	23	5	978409	23	5	981139	23	5	983852	23
6	975707	28	6	978454	27	6	981184	27	6	983897	27
7	975753	32	7	978500	32	7	981229	32	7	983942	32
8	975799	37	8	978546	37	8	981275	36	8	983987	36
9	975845	41	9	978591	41	9	981320	41	9	984032	41

No.	Log.	Prop. Part.	No.	Log.	Prop. Part.	No.	Log	Prop. Part.	No.	Log.	Prop. Part.
9640	984077		9700	986772		9760	989450		9820	992111	
1	984122	5	1	986816	4	1	989494	4	1	992156	4
2	984167	9	2	986861	9	2	989539	9	2	992200	9
3	984212	14	3	986906	13	3	989583	13	3	992244	13
4	984257	18	4	986951	18	4	989628	18	4	992288	18
5	984302	23	5	986995	22	5	989672	22	5	992333	22
6	984347	27	6	987040	27	6	989717	27	6	992377	26
7	984392	32	7	987085	31	7	989761	31	7	992421	31
8	984437	36	8	987130	36	8	989806	36	8	992465	35
9	984482	41	9	987174	40	9	989850	40	9	992509	40
9650	984527		9710	987219		9770	989895		9830	992553	
1	984572	5	1	987264	4	1	989939	4	1	992598	4
2	984617	9	2	987309	9	2	989983	9	2	992642	9
3	984662	14	3	987353	13	3	990028	13	3	992686	13
4	984707	18	4	987398	18	4	990072	18	4	992730	18
5	984752	23	5	987443	22	5	990117	22	5	992774	22
6	984797	27	6	987487	27	6	990161	27	6	992818	26
7	984842	32	7	987532	31	7	990206	31	7	992863	31
8	984887	36	8	987577	36	8	990250	36	8	992907	35
9	984932	41	9	987622	40	9	990294	40	9	992951	40
9660	984977		9720	987666		9780	990339		9840	992995	
1	985022	5	1	987711	4	1	990383	4	1	993039	4
2	985067	9	2	987756	9	2	990428	9	2	993083	9
3	985112	14	3	987800	13	3	990472	13	3	993127	13
4	985157	18	4	987845	18	4	990516	18	4	993172	18
5	985202	23	5	987890	22	5	990561	22	5	993216	22
6	985247	27	6	987934	27	6	990605	27	6	993260	26
7	985292	32	7	987979	31	7	990650	31	7	993304	31
8	985337	36	8	988024	36	8	990694	36	8	993348	35
9	985382	41	9	988068	40	9	990738	40	9	993392	40
9670	985426		9730	988113		9790	990783		9850	993436	
1	985471	4	1	988157	4	1	990827	4	1	993480	4
2	985516	9	2	988202	9	2	990871	9	2	993524	9
3	985561	13	3	988247	13	3	990916	13	3	993568	13
4	985606	18	4	988291	18	4	990960	18	4	993613	18
5	985651	22	5	988336	22	5	991004	22	5	993657	22
6	985696	27	6	988381	27	6	991049	27	6	993701	26
7	985741	31	7	988425	31	7	991093	31	7	993745	31
8	985786	36	8	988470	36	8	991137	36	8	993789	35
9	985830	40	9	988514	40	9	991182	40	9	993833	40
9680	985875		9740	988559		9800	991226		9860	993877	
1	985920	4	1	988603	4	1	991270	4	1	993921	4
2	985965	9	2	988648	9	2	991315	9	2	993965	9
3	986010	13	3	988693	13	3	991359	13	3	994009	13
4	986055	18	4	988737	18	4	991403	18	4	994053	18
5	986100	22	5	988782	22	5	991448	22	5	994097	22
6	986144	27	6	988826	27	6	991492	27	6	994141	26
7	986189	31	7	988871	31	7	991536	31	7	994185	31
8	986234	36	8	988915	36	8	991580	36	8	994229	35
9	986279	40	9	988960	40	9	991625	40	9	994273	40
9690	986324		9750	989005		9810	991669		9870	994317	
1	986369	4	1	989049	4	1	991713	4	1	994361	4
2	986413	9	2	989094	9	2	991757	9	2	994405	9
3	986458	13	3	989138	13	3	991802	13	3	994449	13
4	986503	18	4	989183	18	4	991846	18	4	994493	18
5	986548	22	5	989227	22	5	991890	22	5	994537	22
6	986593	27	6	989272	27	6	991934	27	6	994581	26
7	986637	31	7	989316	31	7	991979	31	7	994625	31
8	986682	36	8	989361	36	8	992023	36	8	994669	35
9	986727	40	9	989405	40	9	992067	40	9	994713	40

No.	Log.	Prop. Part.	No.	Log.	Prop. Part.	No.	Log.	Prop. Part.	No.	Log.	Prop. Part.
9880	994757		9910	996074		9940	997386		9970	998695	
1	994801	4	1	996117	4	1	997430	4	1	998739	4
2	994845	9	2	996161	9	2	997474	9	2	998782	9
3	994889	13	3	996205	13	3	997517	13	3	998826	13
4	994933	18	4	996249	18	4	997561	17	4	998869	17
5	994977	22	5	996293	22	5	997605	22	5	998913	22
6	995021	26	6	996336	26	6	997648	26	6	998956	26
7	995064	31	7	996380	31	7	997692	30	7	999000	30
8	995108	35	8	996424	35	8	997736	35	8	999043	35
9	995152	40	9	996468	40	9	997779	39	9	999087	39
9890	995196		9920	996512		9950	997823		9980	999130	
1	995240	4	1	996555	4	1	997867	4	1	999174	4
2	995284	9	2	996599	9	2	997910	9	2	999218	9
3	995328	13	3	996643	13	3	997954	13	3	999261	13
4	995372	18	4	996687	18	4	997998	17	4	999305	17
5	995416	22	5	996730	22	5	998041	22	5	999348	22
6	995460	26	6	996774	26	6	998085	26	6	999392	26
7	995504	31	7	996818	31	7	998128	30	7	999435	30
8	995547	35	8	996862	35	8	998172	35	8	999478	35
9	995591	40	9	996905	40	9	998216	39	9	999522	39
9900	995635		9930	996949		9960	998259		9990	999565	
1	995679	4	1	996993	4	1	998303	4	1	999609	4
2	995723	9	2	997037	9	2	998346	9	2	999652	9
3	995767	13	3	997080	13	3	998390	13	3	999696	13
4	995811	18	4	997124	18	4	998434	17	4	999739	17
5	995854	22	5	997168	22	5	998477	22	5	999783	22
6	995898	26	6	997212	26	6	998521	26	6	999826	26
7	995942	31	7	997255	31	7	998564	30	7	999870	30
8	995986	35	8	997299	35	8	998608	35	8	999913	35
9	996030	40	9	997343	39	9	998652	39	9	999957	39

No.	Logarithms to 50 Decimal Places.
1	0·00000000000000000000000000000000000000000000000000
2	0·30102999566398119521373889472449302676818988146211
3	0·47712125471966243729502790325511530920012886419069
4	0·60205999132796239042747778944898605353637976292422
5	0·69897000433601880478626110527550697323181011853789
6	0·77815125038364363250876679797960833596831874565280
7	0·84509804001425683071221625859263619348357239632397
8	0·90308998699194358564121668417347908030456964438633
9	0·95424250943932487459005580651023061840025772838139
10	1·00000000000000000000000000000000000000000000000000
11	1·04139268515822504075019997124302424170670219046645
12	1·07918124604762482772250569270410136273650862711491
13	1·11394335230683676920650515794232843082972918838707
14	1·14612803567823802592595515331712922025176227778607
15	1·17609125905568124208128900853062228243193898272859
16	1·20411998265592478085495557889792107072759525848 43
17	1·23044892137827392854016989432833703000756737842505
18	1·25527250510330606980379470123472364516844760984350
19	1·27875360095282896153633347575692931795112933739450
20	1·30102999566398119521373889472449302676818988146211
21	1·32221929473391926800724416184775150268370126051866
22	1·34242268082220623596393886596751726847489207192856
23	1·36172783601759287886777711225118954969751103433610
24	1·38021124171160602293624458742859438950469850857702
25	1·39794000867203760957252221055101394646362023707578

0 DEG.

′	Sine.	Diff. 100″	Cosecant.	Tangent.	Diff. 100″	Cotangent.	Secant.	Cosine.	′
0			Infinite.			Infinite.	·000000	10·000000	60
1	6·463726		3·536274	6·463726		13·536274	·000000	10·000000	59
2	6·764756	501717	3·235244	6·764756	501717	13·235244	·000000	10·000000	58
3	6·940847	293485	3·059153	6·940847	293485	13·059153	·000000	10·000000	57
4	7·065786	208231	2·934214	7·065786	208231	12·934214	·000000	10·000000	56
5	7·162696	161517	2·837304	7·162696	161517	12·837304	·000000	10·000000	55
6	7·241877	131968	2·758123	7·241878	131969	12·758122	·000001	9·999999	54
7	7·308824	111578	2·691176	7·308825	111578	12·691175	·000001	9·999999	53
8	7·366816	96653	2·633184	7·366817	96653	12·633183	·000001	9·999999	52
9	7·417968	85254	2·582032	7·417970	85254	12·582030	·000001	9·999999	51
10	7·463726	76262	2·536274	7·463727	76263	12·536273	·000002	9·999998	50
11	7·505118	68988	2·494882	7·505120	68988	12·494880	·000002	9·999998	49
12	7·542906	62981	2·457094	7·542909	62981	12·457091	·000003	9·999997	48
13	7·577668	57936	2·422332	7·577672	57937	12·422328	·000003	9·999997	47
14	7·609853	53641	2·390147	7·609857	53642	12·390143	·000004	9·999996	46
15	7·639816	49938	2·360184	7·639820	49939	12·360180	·000004	9·999996	45
16	7·667845	46714	2·332155	7·667849	46715	12·332151	·000005	9·999995	44
17	7·694173	43881	2·305827	7·694179	43882	12·305821	·000005	9·999995	43
18	7·718997	41372	2·281003	7·719003	41373	12·280997	·000006	9·999994	42
19	7·742478	39135	2·257522	7·742484	39136	12·257516	·000007	9·999993	41
20	7·764754	37127	2·235246	7·764761	37128	12·235239	·000007	9·999993	40
21	7·785943	35315	2·214057	7·785951	35315	12·214049	·000008	9·999992	39
22	7·806146	33672	2·193854	7·806155	33673	12·193845	·000009	9·999991	38
23	7·825451	32175	2·174549	7·825460	32176	12·174540	·000010	9·999990	37
24	7·843934	30805	2·156066	7·843944	30807	12·156056	·000011	9·999989	36
25	7·861662	29547	2·138338	7·861674	29549	12·138326	·000011	9·999989	35
26	7·878695	28388	2·121305	7·878708	28390	12·121292	·000012	9·999988	34
27	7·895085	27317	2·104915	7·895099	27318	12·104901	·000013	9·999987	33
28	7·910879	26323	2·089121	7·910894	26325	12·089106	·000014	9·999986	32
29	7·926119	25399	2·073881	7·926134	25401	12·073866	·000015	9·999985	31
30	7·940842	24538	2·059158	7·940858	24540	12·059142	·000017	9·999983	30
31	7·955082	23733	2·044918	7·955100	23735	12·044900	·000018	9·999982	29
32	7·968870	22980	2·031130	7·968889	22982	12·031111	·000019	9·999981	28
33	7·982233	22273	2·017767	7·982253	22275	12·017747	·000020	9·999980	27
34	7·995198	21608	2·004802	7·995219	21610	12·004781	·000021	9·999979	26
35	8·007787	20981	1·992213	8·007809	20983	11·992191	·000023	9·999977	25
36	8·020021	20390	1·979979	8·020045	20392	11·979955	·000024	9·999976	24
37	8·031919	19831	1·968081	8·031945	19833	11·968055	·000025	9·999975	23
38	8·043501	19302	1·956499	8·043527	19305	11·956473	·000027	9·999973	22
39	8·054781	18801	1·945219	8·054809	18803	11·945191	·000028	9·999972	21
40	8·065776	18325	1·934224	8·065806	18327	11·934194	·000029	9·999971	20
41	8·076500	17872	1·923500	8·076531	17875	11·923469	·000031	9·999969	19
42	8·086965	17441	1·913035	8·086997	17444	11·913003	·000032	9·999968	18
43	8·097183	17031	1·902817	8·097217	17034	11·902783	·000034	9·999966	17
44	8·107167	16639	1·892833	8·107202	16642	11·892798	·000036	9·999964	16
45	8·116926	16265	1·883074	8·116963	16268	11·883037	·000037	9·999963	15
46	8·126471	15908	1·873529	8·126510	15911	11·873490	·000039	9·999961	14
47	8·135810	15566	1·864190	8·135851	15568	11·864149	·000041	9·999959	13
48	8·144953	15238	1·855047	8·144996	15241	11·855004	·000042	9·999958	12
49	8·153907	14924	1·846093	8·153952	14927	11·846048	·000044	9·999956	11
50	8·162681	14622	1·837319	8·162727	14625	11·837273	·000046	9·999954	10
51	8·171280	14333	1·828720	8·171328	14336	11·828672	·000048	9·999952	9
52	8·179713	14054	1·820287	8·179763	14057	11·820237	·000050	9·999950	8
53	8·187985	13786	1·812015	8·188036	13790	11·811964	·000052	9·999948	7
54	8·196102	13529	1·803898	8·196156	13532	11·803844	·000054	9·999946	6
55	8·204070	13280	1·795930	8·204126	13284	11·795874	·000056	9·999944	5
56	8·211895	13041	1·788105	8·211953	13044	11·788047	·000058	9·999942	4
57	8·219581	12810	1·780419	8·219641	12814	11·780359	·000060	9·999940	3
58	8·227134	12587	1·772866	8·227195	12591	11·772805	·000062	9·999938	2
59	8·234557	12372	1·765443	8·234621	12376	11·765379	·000064	9·999936	1
60	8·241855	12164	1·758145	8·241922	12168	11·758078	·000066	9·999934	0
′	Cosine.		Secant.	Cotangent.		Tangent.	Cosecant.	Sine.	′

89 DEG.

1 DEG.

′	Sine.	Diff. 100″	Cosecant.	Tangent.	Diff. 100″	Cotangent.	Secant.	Cosine.	′
0	8·241855		1·758145	8·241921		11·758079	·000066	9·999934	60
1	8·249033	11963	1·750967	8·249102	11967	11·750898	·000068	9·999932	59
2	8·256094	11768	1·743906	8·256165	11772	11·743835	·000071	9·999929	58
3	8·263042	11580	1·736958	8·263115	11584	11·736885	·000073	9·999927	57
4	8·269881	11397	1·730119	8·269956	11402	11·730044	·000075	9·999925	56
5	8·276614	11221	1·723386	8·276691	11225	11·723309	·000078	9·999922	55
6	8·283243	11050	1·716757	8·283323	11054	11·716677	·000080	9·999920	54
7	8·289773	10883	1·710227	8·289856	10887	11·710144	·000082	9·999918	53
8	8·296207	10722	1·703793	8·296292	10726	11·703708	·000085	9·999915	52
9	8·302546	10565	1·697454	8·302634	10570	11·697366	·000087	9·999913	51
10	8·308794	10413	1·691206	8·308884	10418	11·691116	·000090	9·999910	50
11	8·314954	10266	1·685046	8·315046	10270	11·684954	·000093	9·999907	49
12	8·321027	10122	1·678973	8·321122	10126	11·678878	·000095	9·999905	48
13	8·327016	9982	1·672984	8·327114	9987	11·672886	·000098	9·999902	47
14	8·332924	9847	1·667076	8·333025	9851	11·666975	·000101	9·999899	46
15	8·338753	9714	1·661247	8·338856	9719	11·661144	·000103	9·999897	45
16	8·344504	9586	1·655496	8·344610	9590	11·655390	·000106	9·999894	44
17	8·350181	9460	1·649819	8·350289	9465	11·649711	·000109	9·999891	43
18	8·355783	9338	1·644217	8·355895	9343	11·644105	·000112	9·999888	42
19	8·361315	9219	1·638685	8·361430	9224	11·638570	·000115	9·999885	41
20	8·366777	9103	1·633223	8·366895	9108	11·633105	·000118	9·999882	40
21	8·372171	8990	1·627829	8·372292	8995	11·627708	·000121	9·999879	39
22	8·377499	8880	1·622501	8·377622	8885	11·622378	·000124	9·999876	38
23	8·382762	8772	1·617238	8·382889	8777	11·617111	·000127	9·999873	37
24	8·387962	8667	1·612038	8·388092	8672	11·611908	·000130	9·999870	36
25	8·393101	8564	1·606899	8·393234	8570	11·606766	·000133	9·999867	35
26	8·398179	8464	1·601821	8·398315	8470	11·601685	·000136	9·999864	34
27	8·403199	8366	1·596801	8·403338	8371	11·596662	·000139	9·999861	33
28	8·408161	8271	1·591839	8·408304	8276	11·591696	·000142	9·999858	32
29	8·413068	8177	1·586932	8·413213	8182	11·586787	·000146	9·999854	31
30	8·417919	8086	1·582081	8·418068	8091	11·581932	·000149	9·999851	30
31	8·422717	7996	1·577283	8·422869	8002	11·577131	·000152	9·999848	29
32	8·427462	7909	1·572538	8·427618	7914	11·572382	·000156	9·999844	28
33	8·432156	7823	1·567844	8·432315	7829	11·567685	·000159	9·999841	27
34	8·436800	7740	1·563200	8·436962	7745	11·563038	·000162	9·999838	26
35	8·441394	7657	1·558606	8·441560	7663	11·558440	·000166	9·999834	25
36	8·445941	7577	1·554059	8·446110	7583	11·553890	·000169	9·999831	24
37	8·450440	7499	1·549560	8·450613	7505	11·549387	·000173	9·999827	23
38	8·454893	7422	1·545107	8·455070	7428	11·544930	·000176	9·999824	22
39	8·459301	7346	1·540699	8·459481	7352	11·540519	·000180	9·999820	21
40	8·463665	7273	1·536335	8·463849	7279	11·536151	·000184	9·999816	20
41	8·467985	7200	1·532015	8·468172	7206	11·531828	·000187	9·999813	19
42	8·472263	7129	1·527737	8·472454	7135	11·527546	·000191	9·999809	18
43	8·476498	7060	1·523502	8·476693	7066	11·523307	·000195	9·999805	17
44	8·480693	6991	1·519307	8·480892	6998	11·519108	·000199	9·999801	16
45	8·484848	6924	1·515152	8·485050	6931	11·514950	·000203	9·999797	15
46	8·488963	6859	1·511037	8·489170	6865	11·510830	·000206	9·999794	14
47	8·493040	6794	1·506960	8·493250	6801	11·506750	·000210	9·999790	13
48	8·497078	6731	1·502922	8·497293	6738	11·502707	·000214	9·999786	12
49	8·501080	6669	1·498920	8·501298	6676	11·498702	·000218	9·999782	11
50	8·505045	6608	1·494955	8·505267	6615	11·494733	·000222	9·999778	10
51	8·508974	6548	1·491026	8·509200	6555	11·490800	·000226	9·999774	9
52	8·512867	6489	1·487133	8·513098	6496	11·486902	·000231	9·999769	8
53	8·516726	6432	1·483274	8·516961	6439	11·483039	·000235	9·999765	7
54	8·520551	6375	1·479449	8·520790	6382	11·479210	·000239	9·999761	6
55	8·524343	6319	1·475657	8·524586	6326	11·475414	·000243	9·999757	5
56	8·528102	6264	1·471898	8·528349	6272	11·471651	·000247	9·999753	4
57	8·531828	6211	1·468172	8·532080	6218	11·467920	·000252	9·999748	3
58	8·535523	6158	1·464477	8·535779	6165	11·464221	·000256	9·999744	2
59	8·539185	6106	1·460814	8·539447	6113	11·460553	·000260	9·999740	1
60	8·542819	6055	1·457181	8·543084	6062	11·456916	·000265	9·999735	0
′	Cosine.		Secant.	Cotangent.		Tang	Cosecant.	Sine.	

88 DEG.

2 DEG.

′	Sine.	Diff. 100″	Cosecant.	Tangent.	Diff. 100″	Cotangent.	Secant.	Diff. 100″	Cosine.	′
0	8·542819		1·457181	8·543084		11·456916	·000265		9·999735	60
1	8·546422	6004	1·453578	8·546691	6012	11·453309	·000269	07	9·999731	59
2	8·549995	5955	1·450005	8·550268	5962	11·449732	·000274	07	9·999726	58
3	8·553539	5906	1·446461	8·553817	5914	11·446183	·000278	08	9·999722	57
4	8·557054	5858	1·442946	8·557336	5866	11·442664	·000283	08	9·999717	56
5	8·560540	5811	1·439460	8·560828	5819	11·439172	·000287	07	9·999713	55
6	8·563999	5765	1·436001	8·564291	5773	11·435709	·000292	08	9·999708	54
7	8·567431	5719	1·432569	8·567727	5727	11·432273	·000296	07	9·999704	53
8	8·570836	5674	1·429164	8·571137	5682	11·428863	·000301	08	9·999699	52
9	8·574214	5630	1·425786	8·574520	5638	11·425480	·000306	08	9·999694	51
10	8·577566	5587	1·422434	8·577877	5595	11·422123	·000311	08	9·999689	50
11	8·580892	5544	1·419108	8·581208	5552	11·418792	·000315	07	9·999685	49
12	8·584193	5502	1·415807	8·584514	5510	11·415486	·000320	08	9·999680	48
13	8·587469	5460	1·412531	8·587795	5468	11·412205	·000325	08	9·999675	47
14	8·590721	5419	1·409279	8·591051	5427	11·408949	·000330	08	9·999670	46
15	8·593948	5379	1·406052	8·594283	5387	11·405717	·000335	08	9·999665	45
16	8·597152	5339	1·402848	8·597492	5347	11·402508	·000340	08	9·999660	44
17	8·600332	5300	1·399668	8·600677	5308	11·399323	·000345	08	9·999655	43
18	8·603489	5261	1·396511	8·603839	5270	11·396161	·000350	08	9·999650	42
19	8·606623	5223	1·393377	8·606978	5232	11·393022	·000355	08	9·999645	41
20	8·609734	5186	1·390266	8·610094	5194	11·389906	·000360	08	9·999640	40
21	8·612823	5149	1·387177	8·613189	5158	11·386811	·000365	08	9·999635	39
22	8·615891	5112	1·384109	8·616262	5121	11·383738	·000371	10	9·999629	38
23	8·618937	5076	1·381063	8·619313	5085	11·380687	·000376	08	9·999624	37
24	8·621962	5041	1·378038	8·622343	5050	11·377657	·000381	08	9·999619	36
25	8·624965	5006	1·375035	8·625352	5015	11·374648	·000386	08	9·999614	35
26	8·627948	4972	1·372052	8·628340	4981	11·371660	·000392	10	9·999608	34
27	8·630911	4938	1·369089	8·631308	4947	11·368692	·000397	08	9·999603	33
28	8·633854	4904	1·366146	8·634256	4913	11·365744	·000403	10	9·999597	32
29	8·636776	4871	1·363224	8·637184	4880	11·362816	·000408	08	9·999592	31
30	8·639680	4839	1·360320	8·640093	4848	11·359907	·000414	08	9·999586	30
31	8·642563	4806	1·357437	8·642982	4816	11·357018	·000419	10	9·999581	29
32	8·645428	4775	1·354572	8·645853	4784	11·354147	·000425	10	9·999575	28
33	8·648274	4743	1·351726	8·648704	4753	11·351296	·000430	08	9·999570	27
34	8·651102	4712	1·348898	8·651537	4722	11·348463	·000436	10	9·999564	26
35	8·653911	4682	1·346089	8·654352	4691	11·345648	·000442	10	9·999558	25
36	8·656702	4652	1·343298	8·657149	4661	11·342851	·000447	08	9·999553	24
37	8·659475	4622	1·340525	8·659928	4631	11·340072	·000453	10	9·999547	23
38	8·662230	4592	1·337770	8·662689	4602	11·337311	·000459	10	9·999541	22
39	8·664968	4563	1·335032	8·665433	4573	11·334567	·000465	10	9·999535	21
40	8·667689	4535	1·332311	8·668160	4544	11·331840	·000471	10	9·999529	20
41	8·670393	4506	1·329607	8·670870	4516	11·329130	·000476	08	9·999524	19
42	8·673080	4479	1·326920	8·673563	4488	11·326437	·000482	10	9·999518	18
43	8·675751	4451	1·324249	8·676239	4461	11·323761	·000488	10	9·999512	17
44	8·678405	4424	1·321595	8·678900	4434	11·321100	·000494	10	9·999506	16
45	8·681043	4397	1·318957	8·681544	4407	11·318456	·000500	10	9·999500	15
46	8·683665	4370	1·316335	8·684172	4380	11·315828	·000507	10	9·999493	14
47	8·686272	4344	1·313728	8·686784	4354	11·313216	·000513	12	9·999487	13
48	8·688863	4318	1·311137	8·689381	4328	11·310619	·000519	10	9·999481	12
49	8·691438	4292	1·308562	8·691963	4303	11·308037	·000525	10	9·999475	11
50	8·693998	4267	1·306002	8·694529	4277	11·305471	·000531	10	9·999469	10
51	8·696543	4242	1·303457	8·697081	4252	11·302919	·000537	12	9·999463	9
52	8·699073	4217	1·300927	8·699617	4228	11·300383	·000544	10	9·999456	8
53	8·701589	4192	1·298411	8·702139	4203	11·297861	·000550	10	9·999450	7
54	8·704090	4168	1·295910	8·704646	4179	11·295354	·000557	10	9·999443	6
55	8·706577	4144	1·293423	8·707140	4155	11·292860	·000563	12	9·999437	5
56	8·709049	4121	1·290951	8·709618	4132	11·290382	·000569	10	9·999431	4
57	8·711507	4097	1·288493	8·712083	4108	11·287917	·000576	12	9·999424	3
58	8·713952	4074	1·286048	8·714534	4085	11·285466	·000583	10	9·999418	2
59	8·716383	4052	1·283617	8·716972	4062	11·283028	·000589	12	9·999411	1
60	8·718800	4029	1·281200	8·719396	4040	11·280604	·000596	12	9·999404	0
′	Cosine.		Secant.	Cotangent.		Tangent.	Cosecant.		Sine.	′

87 DEG.

3 DEG.

′	Sine.	Diff. 100″	Cosecant.	Tangent.	Diff. 100″	Cotangent.	Secant.	Diff. 100″	Cosine.	′
0	8·718800		1·281200	8·719396		11·280604	·000596		9·999404	60
1	8·721204	4006	1·278796	8·721806	4017	11·278194	·000602	10	9·999398	59
2	8·723595	3984	1·276405	8·724204	3995	11·275796	·000609	12	9·999391	58
3	8·725972	3962	1·274028	8·726588	3974	11·273412	·000616	12	9·999384	57
4	8·728337	3941	1·271663	8·728959	3952	11·271041	·000622	10	9·999378	56
5	8·730688	3919	1·269312	8·731317	3931	11·268683	·000629	12	9·999371	55
6	8·733027	3898	1·266973	8·733663	3909	11·266337	·000636	12	9·999364	54
7	8·735354	3877	1·264646	8·735996	3889	11·264004	·000643	12	9·999357	53
8	8·737667	3857	1·262333	8·738317	3868	11·261683	·000650	12	9·999350	52
9	8·739969	3836	1·260031	8·740626	3848	11·259374	·000657	12	9·999343	51
10	8·742259	3816	1·257741	8·742922	3827	11·257078	·000664	12	9·999336	50
11	8·744536	3796	1·255464	8·745207	3807	11·254793	·000671	12	9·999329	49
12	8·746802	3776	1·253198	8·747479	3787	11·252521	·000678	12	9·999322	48
13	8·749055	3756	1·250945	8·749740	3768	11·250260	·000685	12	9·999315	47
14	8·751297	3737	1·248703	8·751989	3749	11·248011	·000692	12	9·999308	46
15	8·753528	3717	1·246472	8·754227	3729	11·245773	·000699	12	9·999301	45
16	8·755747	3698	1·244253	8·756453	3710	11·243547	·000706	12	9·999294	44
17	8·757955	3679	1·242045	8·758668	3692	11·241332	·000713	13	9·999287	43
18	8·760151	3661	1·239849	8·760872	3673	11·239128	·000721	12	9·999279	42
19	8·762337	3642	1·237663	8·763065	3655	11·236935	·000728	12	9·999272	41
20	8·764511	3624	1·235489	8·765246	3636	11·234754	·000735	12	9·999265	40
21	8·766675	3606	1·233325	8·767417	3618	11·232583	·000743	13	9·999257	39
22	8·768828	3588	1·231172	8·769578	3600	11·230422	·000750	12	9·999250	38
23	8·770970	3570	1·229030	8·771727	3583	11·228273	·000758	13	9·999242	37
24	8·773101	3553	1·226899	8·773866	3565	11·226134	·000765	12	9·999235	36
25	8·775223	3535	1·224777	8·775995	3548	11·224005	·000773	13	9·999227	35
26	8·777333	3518	1·222667	8·778114	3531	11·221886	·000780	12	9·999220	34
27	8·779434	3501	1·220566	8·780222	3514	11·219778	·000788	13	9·999212	33
28	8·781524	3484	1·218476	8·782320	3497	11·217680	·000795	13	9·999205	32
29	8·783605	3467	1·216395	8·784408	3480	11·215592	·000803	13	9·999197	31
30	8·785675	3451	1·214325	8·786486	3464	11·213514	·000811	13	9·999189	30
31	8·787736	3434	1·212264	8·788554	3447	11·211446	·000819	13	9·999181	29
32	8·789787	3418	1·210213	8·790613	3431	11·209387	·000826	12	9·999174	28
33	8·791828	3402	1·208172	8·792662	3415	11·207338	·000834	13	9·999166	27
34	8·793859	3386	1·206141	8·794701	3399	11·205299	·000842	13	9·999158	26
35	8·795881	3370	1·204119	8·796731	3383	11·203269	·000850	13	9·999150	25
36	8·797894	3354	1·202106	8·798752	3368	11·201248	·000858	13	9·999142	24
37	8·799897	3339	1·200103	8·800763	3352	11·199237	·000866	13	9·999134	23
38	8·801892	3323	1·198108	8·802765	3337	11·197235	·000874	13	9·999126	22
39	8·803876	3308	1·196124	8·804758	3322	11·195242	·000882	13	9·999118	21
40	8·805852	3293	1·194148	8·806742	3306	11·193258	·000890	13	9·999110	20
41	8·807819	3278	1·192181	8·808717	3292	11·191283	·000898	13	9·999102	19
42	8·809777	3263	1·190223	8·810683	3277	11·189317	·000906	13	9·999094	18
43	8·811726	3249	1·188274	8·812641	3262	11·187359	·000914	13	9·999086	17
44	8·813667	3234	1·186333	8·814589	3248	11·185411	·000923	15	9·999077	16
45	8·815599	3219	1·184401	8·816529	3233	11·183471	·000931	13	9·999069	15
46	8·817522	3205	1·182478	8·818461	3219	11·181539	·000939	13	9·999061	14
47	8·819436	3191	1·180564	8·820384	3205	11·179616	·000947	15	9·999053	13
48	8·821343	3177	1·178657	8·822298	3191	11·177702	·000956	13	9·999044	12
49	8·823240	3163	1·176760	8·824205	3177	11·175795	·000964	13	9·999036	11
50	8·825130	3149	1·174870	8·826103	3163	11·173897	·000973	15	9·999027	10
51	8·827011	3135	1·172989	8·827992	3150	11·172008	·000981	13	9·999019	9
52	8·828884	3122	1·171116	8·829874	3136	11·170126	·000990	15	9·999010	8
53	8·830749	3108	1·169251	8·831748	3123	11·168252	·000998	13	9·999002	7
54	8·832607	3095	1·167393	8·833613	3109	11·166387	·001007	15	9·998993	6
55	8·834456	3082	1·165544	8·835471	3096	11·164529	·001016	15	9·998984	5
56	8·836297	3069	1·163703	8·837321	3083	11·162679	·001024	13	9·998976	4
57	8·838130	3056	1·161870	8·839163	3070	11·160837	·001033	15	9·998967	3
58	8·839956	3043	1·160044	8·840998	3057	11·159002	·001042	15	9·998958	2
59	8·841774	3030	1·158226	8·842825	3045	11·157175	·001050	13	9·998950	1
60	8·843585	3017	1·156415	8·844644	3032	11·155356	·001059	15	9·998941	0
′	Cosine.		Secant.	Cotangent.		Tangent.	Cosecant.		Sine.	′

4 DEG.

′	Sine.	Diff. 100″	Cosecant.	Tangent.	Diff. 100″	Cotangent.	Secant.	Diff. 100″	Cosine.	′
0	8·843585		1·156415	8·844644		11·155356	·001059		9·998941	60
1	8·845387	3005	1·154613	8·846455	3019	11·153545	·001068	15	9·998932	59
2	8·847183	2992	1·152817	8·848260	3007	11·151740	·001077	15	9·998923	58
3	8·848971	2980	1·151029	8·850057	2995	11·149943	·001086	15	9·998914	57
4	8·850751	2967	1·149249	8·851846	2982	11·148154	·001095	15	9·998905	56
5	8·852525	2955	1·147475	8·853628	2970	11·146372	·001104	15	9·998896	55
6	8·854291	2943	1·145709	8·855403	2958	11·144597	·001113	15	9·998887	54
7	8·856049	2931	1·143951	8·857171	2946	11·142829	·001122	15	9·998878	53
8	8·857801	2919	1·142199	8·858932	2935	11·141068	·001131	15	9·998869	52
9	8·859546	2908	1·140454	8·860686	2923	11·139314	·001140	15	9·998860	51
10	8·861283	2896	1·138717	8·862433	2911	11·137567	·001149	15	9·998851	50
11	8·863014	2884	1·136986	8·864173	2900	11·135827	·001159	17	9·998841	49
12	8·864738	2873	1·135262	8·865906	2888	11·134094	·001168	15	9·998832	48
13	8·866455	2861	1·133545	8·867632	2877	11·132368	·001177	15	9·998823	47
14	8·868165	2850	1·131835	8·869351	2866	11·130649	·001187	17	9·998813	46
15	8·869868	2839	1·130132	8·871064	2854	11·128936	·001196	15	9·998804	45
16	8·871565	2828	1·128435	8·872770	2843	11·127230	·001205	15	9·998795	44
17	8·873255	2817	1·126745	8·874469	2832	11·125531	·001215	17	9·998785	43
18	8·874938	2806	1·125062	8·876162	2821	11·123838	·001224	15	9·998776	42
19	8·876615	2795	1·123385	8·877849	2811	11·122151	·001234	17	9·998766	41
20	8·878285	2784	1·121715	8·879529	2800	11·120471	·001243	15	9·998757	40
21	8·879949	2773	1·120051	8·881202	2789	11·118798	·001253	17	9·998747	39
22	8·881607	2763	1·118393	8·882869	2779	11·117131	·001262	17	9·998738	38
23	8·883258	2752	1·116742	8·884530	2768	11·115470	·001272	15	9·998728	37
24	8·884903	2742	1·115097	8·886185	2758	11·113815	·001282	17	9·998718	36
25	8·886542	2731	1·113458	8·887833	2747	11·112167	·001292	17	9·998708	35
26	8·888174	2721	1·111826	8·889476	2737	11·110524	·001301	15	9·998699	34
27	8·889801	2711	1·110199	8·891112	2727	11·108888	·001311	17	9·998689	33
28	8·891421	2700	1·108579	8·892742	2717	11·107258	·001321	17	9·998679	32
29	8·893035	2690	1·106965	8·894366	2707	11·105634	·001332	17	9·998669	31
30	8·894643	2680	1·105357	8·895984	2697	11·104016	·001341	17	9·998659	30
31	8·896246	2670	1·103754	8·897596	2687	11·102404	·001351	17	9·998649	29
32	8·897842	2660	1·102158	8·899203	2677	11·100797	·001361	17	9·998639	28
33	8·899432	2651	1·100568	8·900803	2667	11·099197	·001371	17	9·998629	27
34	8·901017	2641	1·098983	8·902398	2658	11·097602	·001381	17	9·998619	26
35	8·902596	2631	1·097404	8·903987	2648	11·096013	·001391	17	9·998609	25
36	8·904169	2622	1·095831	8·905570	2638	11·094430	·001401	17	9·998599	24
37	8·905736	2612	1·094264	8·907147	2629	11·092853	·001411	17	9·998589	23
38	8·907297	2603	1·092703	8·908719	2620	11·091281	·001422	18	9·998578	22
39	8·908853	2593	1·091147	8·910285	2610	11·089715	·001432	17	9·998568	21
40	8·910404	2584	1·089596	8·911846	2601	11·088154	·001442	17	9·998558	20
41	8·911949	2575	1·088051	8·913401	2592	11·086599	·001452	17	9·998548	19
42	8·913488	2566	1·086512	8·914951	5283	11·085049	·001463	18	9·998537	18
43	8·915022	2556	1·084978	8·916495	2574	11·083505	·001473	17	9·998527	17
44	8·916550	2547	1·083450	8·918034	2565	11·081966	·001484	18	9·998516	16
45	8·918073	2538	1·081927	8·919568	2556	11·080432	·001494	17	9·998506	15
46	8·919591	2529	1·080409	8·921096	2547	11·078904	·001505	18	9·998495	14
47	8·921103	2520	1·078897	8·922619	2538	11·077381	·001515	17	9·998485	13
48	8·922610	2512	1·077390	8·924136	2530	11·075864	·001526	18	9·998474	12
49	8·924112	2503	1·075888	8·925649	2521	11·074351	·001536	17	9·998464	11
50	8·925609	2494	1·074391	8·927156	2512	11·072844	·001547	18	9·998453	10
51	8·927100	2486	1·072900	8·928658	2503	11·071342	·001558	18	9·998442	9
52	8·928587	2477	1·071413	8·930155	2495	11·069845	·001569	18	9·998431	8
53	8·930068	2469	1·069932	8·931647	2486	11·068353	·001579	17	9·998421	7
54	8·931544	2460	1·068456	8·933134	2478	11·066866	·001590	18	9·998410	6
55	8·933015	2452	1·066985	8·934616	2470	11·065384	·001601	18	9·998399	5
56	8·934481	2443	1·065519	8·936093	2461	11·063907	·001612	18	9·998388	4
57	8·935942	2435	1·064058	8·937565	2453	11·062435	·001623	18	9·998377	3
58	8·937398	2427	1·062602	8·939032	2445	11·060968	·001634	18	9·998366	2
59	8·938850	2419	1·061150	8·940494	2437	11·059506	·001645	18	9·998355	1
60	8·940296	2411	1·059704	8·941952	2429	11·058048	·001656	18	9·998344	0
′	Cosine.		Secant.	Cotangent.		Tangent.	Cosecant.		Sine.	′

85 DEG.

5 DEG.

′	Sine.	Diff. 100″	Cosecant.	Tangent.	Diff. 100″	Cotangent.	Secant.	Diff. 100″	Cosine.	′
0	8·940296		1·059704	8·941952		11·058048	·001656		9·998344	60
1	8·941738	2403	1·058262	8·943404	2421	11·056596	·001667	18	9·998333	59
2	8·943174	2394	1·056826	8·944852	2413	11·055148	·001678	18	9·998322	58
3	8·944606	2387	1·055394	8·946295	2405	11·053705	·001689	18	9·998311	57
4	8·946034	2379	1·053966	8·947734	2397	11·052266	·001700	18	9·998300	56
5	8·947456	2371	1·052544	8·949168	2390	11·050832	·001711	18	9·998289	55
6	8·948874	2363	1·051126	8·950597	2382	11·049403	·001723	20	9·998277	54
7	8·950287	2355	1·049713	8·952021	2374	11·047979	·001734	18	9·998266	53
8	8·951696	2348	1·048304	8·953441	2366	11·046559	·001745	18	9·998255	52
9	8·953100	2340	1·046900	8·954856	2359	11·045144	·001757	20	9·998243	51
10	8·954499	2332	1·045501	8·956267	2351	11·043733	·001768	18	9·998232	50
11	8·955894	2325	1·044106	8·957674	2344	11·042326	·001780	20	9·998220	49
12	8·957284	2317	1·042716	8·959075	2336	11·040925	·001791	18	9·998209	48
13	8·958670	2310	1·041330	8·960473	2329	11·039527	·001803	20	9·998197	47
14	8·960052	2302	1·039948	8·961866	2322	11·038134	·001814	18	9·998186	46
15	8·961429	2295	1·038571	8·963255	2314	11·036745	·001826	20	9·998174	45
16	8·962801	2288	1·037199	8·964639	2307	11·035361	·001837	18	9·998163	44
17	8·964170	2280	1·035830	8·966019	2300	11·033981	·001849	20	9·998151	43
18	8·965534	2273	1·034466	8·967394	2293	11·032606	·001861	20	9·998139	42
19	8·966893	2266	1·033107	8·968766	2286	11·031234	·001872	18	9·998128	41
20	8·968249	2259	1·031751	8·970133	2279	11·029867	·001884	20	9·998116	40
21	8·969600	2252	1·030400	8·971496	2271	11·028504	·001896	20	9·998104	39
22	8·970947	2245	1·029053	8·972855	2265	11·027145	·001908	20	9·998092	38
23	8·972289	2238	1·027711	8·974209	2257	11·025791	·001920	20	9·998080	37
24	8·973628	2231	1·026372	8·975560	2251	11·024440	·001932	20	9·998068	36
25	8·974962	2224	1·025038	8·976906	2244	11·023094	·001944	20	9·998056	35
26	8·976293	2217	1·023707	8·978248	2237	11·021752	·001956	20	9·998044	34
27	8·977619	2210	1·022381	8·979586	2230	11·020414	·001968	20	9·998032	33
28	8·978941	2203	1·021059	8·980921	2223	11·019079	·001980	20	9·998020	32
29	8·980259	2197	1·019741	8·982251	2217	11·017749	·001992	20	9·998008	31
30	8·981573	2190	1·018427	8·983577	2210	11·016423	·002004	20	9·997996	30
31	8·982883	2183	1·017117	8·984899	2204	11·015101	·002016	20	9·997984	29
32	8·984189	2177	1·015811	8·986217	2197	11·013783	·002028	20	9·997972	28
33	8·985491	2170	1·014509	8·987532	2191	11·012468	·002041	22	9·997959	27
34	8·986789	2163	1·013211	8·988842	2184	11·011158	·002053	20	9·997947	26
35	8·988083	2157	1·011917	8·990149	2178	11·009851	·002065	20	9·997935	25
36	8·989374	2150	1·010626	8·991451	2171	11·008549	·002078	22	9·997922	24
37	8·990660	2144	1·009340	8·992750	2165	11·007250	·002090	20	9·997910	23
38	8·991943	2138	1·008057	8·994045	2158	11·005955	·002103	22	9·997897	22
39	8·993222	2131	1·006778	8·995337	2152	11·004663	·002115	20	9·997885	21
40	8·994497	2125	1·005503	8·996624	2146	11·003376	·002128	22	9·997872	20
41	8·995768	2119	1·004232	8·997908	2140	11·002092	·002140	20	9·997860	19
42	8·997036	2112	1·002964	8·999188	2134	11·000812	·002153	22	9·997847	18
43	8·998299	2106	1·001701	9·000465	2127	10·999535	·002165	20	9·997835	17
44	8·999560	2100	1·000440	9·001738	2121	10·998262	·002178	22	9·997822	16
45	9·000816	2094	0·999184	9·003007	2115	10·996993	·002191	22	9·997809	15
46	9·002069	2088	0·997931	9·004272	2109	10·995728	·002203	20	9·997797	14
47	9·003318	2082	0·996682	9·005534	2103	10·994466	·002216	22	9·997784	13
48	9·004563	2076	0·995437	9·006792	2097	10·993208	·002229	22	9·997771	12
49	9·005805	2070	0·994195	9·008047	2091	10·991953	·002242	22	9·997758	11
50	9·007044	2064	0·992956	9·009298	2085	10·990702	·002255	22	9·997745	10
51	9·008278	2058	0·991722	9·010546	2079	10·989454	·002268	22	9·997732	9
52	9·009510	2052	0·990490	9·011790	2074	10·988210	·002281	22	9·997719	8
53	9·010737	2046	0·989263	9·013031	2068	10·986969	·002294	22	9·997706	7
54	9·011962	2040	0·988038	9·014268	2062	10·985732	·002307	22	9·997693	6
55	9·013182	2034	0·986818	9·015502	2056	10·984498	·002320	22	9·997680	5
56	9·014400	2029	0·985600	9·016732	2051	10·983268	·002333	22	9·997667	4
57	9·015613	2023	0·984387	9·017959	2045	10·982041	·002346	22	9·997654	3
58	9·016824	2017	0·983176	9·019183	2039	10·980817	·002359	22	9·997641	2
59	9·018031	2012	0·981969	9·020403	2034	10·979597	·002372	22	9·997628	1
60	9·019235	2006	0·980765	9·021620	2028	10·978380	·002386	23	9·997614	0
′	Cosine.		Secant.	Cotangent.		Tangent.	Cosecant.		Sine.	′

84 DEG.

6 DEG.

′	Sine.	Diff. 100″	Cosecant.	Tangent.	Diff. 100″	Cotangent.	Secant.	Diff. 100″	Cosine.	′
0	9·019235		·980765	9·021620		10·978380	·002386		9·997614	60
1	9·020435	2000	·979565	9·022834	2023	10·977166	·002399	22	9·997601	59
2	9·021632	1995	·978368	9·024044	2017	10·975956	·002412	22	9·997588	58
3	9·022825	1989	·977175	9·025251	2011	10·974749	·002426	23	9·997574	57
4	9·024016	1984	·975984	9·026455	2006	10·973545	·002439	22	9·997561	56
5	9·025203	1978	·974797	9·027655	2001	10·972345	·002453	23	9·997547	55
6	9·026386	1973	·973614	9·028852	1995	10·971148	·002466	22	9·997534	54
7	9·027567	1967	·972433	9·030046	1990	10·969954	·002480	23	9·997520	53
8	9·028744	1962	·971256	9·031237	1985	10·968763	·002493	22	9·997507	52
9	9·029918	1957	·970082	9·032425	1979	10·967575	·002507	23	9·997493	51
10	9·031089	1951	·968911	9·033609	1974	10·966391	·002520	22	9·997480	50
11	9·032257	1946	·967743	9·034791	1969	10·965209	·002534	23	9·997466	49
12	9·033421	1941	·966579	9·035969	1964	10·964031	·002548	23	9·997452	48
13	9·034582	1936	·965418	9·037144	1958	10·962856	·002561	22	9·997439	47
14	9·035741	1930	·964259	9·038316	1953	10·961684	·002575	23	9·997425	46
15	9·036896	1925	·963104	9·039485	1948	10·960515	·002589	23	9·997411	45
16	9·038048	1920	·961952	9·040651	1943	10·959349	·002603	23	9·997397	44
17	9·039197	1915	·960803	9·041813	1938	10·958187	·002617	23	9·997383	43
18	9·040342	1910	·959658	9·042973	1933	10·957027	·002631	23	9·997369	42
19	9·041485	1905	·958515	9·044130	1928	10·955870	·002645	23	9·997355	41
20	9·042625	1899	·957375	9·045284	1923	10·954716	·002659	23	9·997341	40
21	9·043762	1895	·956238	9·046434	1918	10·953566	·002673	23	9·997327	39
22	9·044895	1889	·955105	9·047582	1913	10·952418	·002687	23	9·997313	38
23	9·046026	1884	·953974	9·048727	1908	10·951273	·002701	23	9·997299	37
24	9·047154	1879	·952846	9·049869	1903	10·950131	·002715	23	9·997285	36
25	9·048279	1875	·951721	9·051008	1898	10·948992	·002729	23	9·997271	35
26	9·049400	1870	·950600	9·052144	1893	10·947856	·002743	23	9.997257	34
27	9·050519	1865	·949481	9·053277	1889	10·946723	·002758	25	9·997242	33
28	9·051635	1860	·948365	9·054407	1884	10·945593	·002772	23	9·997228	32
29	9·052749	1855	·947251	9·055535	1879	10·944465	·002786	23	9·997214	31
30	9·053859	1850	·946141	9·056659	1874	10·943341	·002801	25	9·997199	30
31	9·054966	1845	·945034	9·057781	1870	10·942219	·002815	23	9·997185	29
32	9·056071	1841	·943929	9·058900	1865	10·941100	·002830	25	9·997170	28
33	9·057172	1836	·942828	9·060016	1860	10·939984	·002844	23	9·997156	27
34	9·058271	1831	·941729	9·061130	1855	10·938870	·002859	25	9·997141	26
35	9·059367	1827	·940633	9·062240	1851	10·937760	·002873	23	9·997127	25
36	9·060460	1822	·939540	9·063348	1846	10·936652	·002888	25	9·997112	24
37	9·061551	1817	·938449	9·064453	1842	10·935547	·002902	23	9·997098	23
38	9·062639	1813	·937361	9·065556	1837	10·934444	·002917	25	9·997083	22
39	9·063724	1808	·936276	9·066655	1833	10·933345	·002932	25	9·997068	21
40	9·064806	1804	·935194	9·067752	1828	10·932248	·002947	25	9·997053	20
41	9·065885	1799	·934115	9·068846	1824	10·931154	·002961	23	9·997039	19
42	9·066962	1794	·933038	9·069938	1819	10·930062	·002976	25	9·997024	18
43	9·068036	1790	·931964	9·071027	1815	10·928973	·002991	25	9·997009	17
44	9·069107	1786	·930893	9·072113	1810	10·927887	·003006	25	9·996994	16
45	9·070176	1781	·929824	9·073197	1806	10·926803	·003021	25	9·996979	15
46	9·071242	1777	·928758	9·074278	1802	10·925722	·003036	25	9·996964	14
47	9·072306	1772	·927694	9·075356	1797	10·024644	·003051	25	9·996949	13
48	9·073366	1768	·926634	9·076432	1793	10·923568	·003066	25	9·996934	12
49	9·074424	1763	·925576	9·077505	1789	10·922495	·003081	25	9·996919	11
50	9·075480	1759	·924520	9.078576	1784	10·921424	·003096	25	9·996904	10
51	9·076533	1755	·923467	9·079644	1780	10·920356	·003111	25	9·996889	9
52	9·077583	1750	·922417	9·080710	1776	10·919290	·003126	25	9·996874	8
53	9·078631	1746	·921369	9·081773	1772	10·918227	·003142	27	9·996858	7
54	9·079676	1742	·920324	9·082833	1767	10·917167	·003157	25	9·996843	6
55	9·080719	1738	·919281	9·083891	1763	10·916109	·003172	25	9·996828	5
56	9·081759	1733	·918241	9·084947	1759	10·915053	·003188	27	9·996812	4
57	9·082797	1729	·917203	9·086000	1755	10·914000	·003203	25	9·996797	3
58	9·083232	1725	·916168	9·087050	1751	10·912950	·003218	25	9·996782	2
59	9·084864	1721	·915136	9·088098	1747	10·911902	·003234	27	9·996766	1
60	9·085894	1717	·914106	9·089144	1743	10·910856	·003249	25	9·996751	0
′	Cosine.		Secant.	Cotangent.		Tangent.	Cosecant.		Sine.	′

83 DEG.

7 DEG.

′	Sine.	Diff. 100″	Cosecant.	Tangent.	Diff. 100″	Cotangent.	Secant.	Diff. 100″	Cosine.	′
0	9·085894		·914106	9·089144		10·910856	·003249		9·996751	60
1	9·086922	1713	·913078	9·090187	1738	10·909813	·003265	27	9·996735	59
2	9·087947	1709	·912053	9·091228	1735	10·908772	·003280	25	9·996720	58
3	9·088970	1704	·911030	9·092266	1731	10·907734	·003296	27	9·996704	57
4	9·089990	1700	·910010	9·093302	1727	10·906698	·003312	27	9·996688	56
5	9·091008	1696	·908992	9·094336	1722	10·905664	·003327	25	9·996673	55
6	9·092024	1692	·907976	9·095367	1719	10·904633	·003343	27	9·996657	54
7	9·093037	1688	·906963	9·096395	1715	10·903605	·003359	27	9·996641	53
8	9·094047	1684	·905953	9·097422	1711	10·902578	·003375	27	9·996625	52
9	9·095056	1680	·904944	9·098446	1707	10·901554	·003390	25	9·996610	51
10	9·096062	1676	·903938	9·099468	1703	10·900532	·003406	27	9·996594	50
11	9·097065	1673	·902935	9·100487	1699	10·899513	·003422	27	9·996578	49
12	9·098066	1668	·901934	9·101504	1695	10·898496	·003438	27	9·996562	48
13	9·099065	1665	·900935	9·102519	1691	10·897481	·003454	27	9·996546	47
14	9·100062	1661	·899938	9·103532	1687	10·896468	·003470	27	9·996530	46
15	9·101056	1657	·898944	9·104542	1684	10·895458	·003486	27	9·996514	45
16	9·102048	1653	·897952	9·105550	1680	10·894450	·003502	27	9·996498	44
17	9·103037	1649	·896963	9·106556	1676	10·893444	·003518	27	9·996482	43
18	9·104025	1645	·895975	9·107559	1672	10·892441	·003535	28	9·996465	42
19	9·105010	1642	·894990	9·108560	1669	10·891440	·003551	27	9·996449	41
20	9·105992	1638	·894008	9·109559	1665	10·890441	·003567	27	9·996433	40
21	9·106973	1634	·893027	9·110556	1661	10·889444	·003583	27	9·996417	39
22	9·107951	1630	·892049	9·111551	1658	10·888449	·003600	28	9·996400	38
23	9·108927	1627	·891073	9·112543	1654	10·887457	·003616	27	9·996384	37
24	9·109901	1623	·890099	9·113533	1650	10·886467	·003632	27	9·996368	36
25	9·110873	1619	·889127	9·114521	1647	10·885479	·003649	28	9·996351	35
26	9·111842	1616	·888158	9·115507	1643	10·884493	·003665	27	9·996335	34
27	9·112809	1612	·887191	9·116491	1639	10·883509	·003682	28	9·996318	33
28	9·113774	1608	·886226	9·117472	1636	10·882528	·003698	27	9·996302	32
29	9·114737	1605	·885263	9·118452	1632	10·881548	·003715	28	9·996285	31
30	9·115698	1601	·884302	9·119429	1629	10·880571	·003731	27	9·996269	30
31	9·116656	1597	·883344	9·120404	1625	10·879596	·003748	28	9·996252	29
32	9·117613	1594	·882387	9·121377	1622	10·878623	·003765	28	9·996235	28
33	9·118567	1590	·881433	9·122348	1618	10·877652	·003781	27	9·996219	27
34	9·119519	1587	·880481	9·123317	1615	10·876683	·003798	28	9·996202	26
35	9·120469	1583	·879531	9·124284	1611	10·875716	·003815	28	9·996185	25
36	9·121417	1580	·878583	9·125249	1608	10·874751	·003832	28	9·996168	24
37	9·122362	1576	·877638	9·126211	1604	10·873789	·003849	28	9·996151	23
38	9·123306	1573	·876694	9·127172	1601	10·872828	·003866	28	9·996134	22
39	9·124248	1569	·875752	9·128130	1597	10·871870	·003883	28	9·996117	21
40	9·125187	1566	·874813	9·129087	1594	10·870913	·003900	28	9·996100	20
41	9·126125	1562	·873875	9·130041	1591	10·869959	·003917	28	9·996083	19
42	9·127060	1559	·872940	9·130994	1587	10·869006	·003934	28	9·996066	18
43	9·127993	1556	·872007	9·131944	1584	10·868056	·003951	28	9·996049	17
44	9·128925	1552	·871075	9·132893	1581	10·867107	·003968	28	9·996032	16
45	9·129854	1549	·870146	9·133839	1577	10·866161	·003985	28	9·996015	15
46	9·130781	1545	·869219	9·134784	1574	10·865216	·004002	28	9·995998	14
47	9·131706	1542	·868294	9·135726	1571	10·864274	·004020	30	9·995980	13
48	9·132630	1539	·867370	9·136667	1567	10·863333	·004037	28	9·995963	12
49	9·133551	1535	·866449	9·137605	1564	10·862395	·004054	28	9·995946	11
50	9·134470	1532	·865530	9·138542	1561	10·861458	·004072	30	9·995928	10
51	9·135387	1529	·864613	9·139476	1558	10·860524	·004089	28	9·995911	9
52	9·136303	1525	·863697	9·140409	1555	10·859591	·004106	28	9·995894	8
53	9·137216	1522	·862784	9·141340	1551	10·858660	·004124	30	9·995876	7
54	9·138128	1519	·861872	9·142269	1548	10·857731	·004141	28	9·995859	6
55	9·139037	1516	·860963	9·143196	1545	10·856804	·004159	30	9·995841	5
56	9·139944	1512	·860056	9·144121	1542	10·855879	·004177	30	9·995823	4
57	9·140850	1509	·859150	9·145044	1539	10·854956	·004194	28	9·995806	3
58	9·141754	1506	·858246	9·145966	1535	10·854034	·004212	30	9·995788	2
59	9·142655	1503	·857345	9·146885	1532	10·853115	·004229	28	9·995771	1
60	9·143555	1500	·856445	9·147803	1529	10·852197	·004247	30	9·995753	0
′	Cosine.		Secant.	Cotangent.		Tangent.	Cosecant.		Sine.	′

82 DEG.

8 DEG.

′	Sine.	Diff. 100″	Cosecant.	Tangent.	Diff. 100″	Cotangent.	Secant.	Diff. 100″	Cosine.	′
0	9·143555		·856445	9·147803		10·852197	·004247		9·995753	60
1	9·144453	1496	·855547	9·148718	1526	10·851282	·004265	30	9·995735	59
2	9·145349	1493	·854651	9·149632	1523	10·850368	·004283	30	9·995717	58
3	9·146243	1490	·853757	9·150544	1520	10·849456	·004301	30	9·995699	57
4	9·147136	1487	·852864	9·151454	1517	10·848546	·004319	30	9·995681	56
5	9·148026	1484	·851974	9·152363	1514	10·847637	·004336	28	9·995664	55
6	9·148915	1481	·851085	9·153269	1511	10·846731	·004354	30	9·995646	54
7	9·149802	1478	·850198	9·154174	1508	10·845826	·004372	30	9·995628	53
8	9·150686	1475	·849314	9·155077	1505	10·844923	·004390	30	9·995610	52
9	9·151569	1472	·848431	9·155978	1502	10·844022	·004409	32	9·995591	51
10	9·152451	1469	·847549	9·156877	1499	10·843123	·004427	30	9·995573	50
11	9·153330	1466	·846670	9·157775	1496	10·842225	·004445	30	9·995555	49
12	9·154208	1462	·845792	9·158671	1493	10·841329	·004463	30	9·995537	48
13	9·155083	1460	·844917	9·159565	1490	10·840435	·004481	30	9·995519	47
14	9·155957	1457	·844043	9·160457	1487	10·839543	·004499	30	9·995501	46
15	9·156830	1454	·843170	9·161347	1484	10·838653	·004518	32	9·995482	45
16	9·157700	1451	·842300	9·162236	1481	10·837764	·004536	30	9·995464	44
17	9·158569	1448	·841431	9·163123	1478	10·836877	·004554	30	9·995446	43
18	9·159435	1445	·840565	9·164008	1475	10·835992	·004573	32	9·995427	42
19	9·160301	1442	·839699	9·164892	1473	10·835108	·004591	30	9·995409	41
20	9·161164	1439	·838836	9·165774	1470	10·834226	·004610	32	9·995390	40
21	9·162025	1436	·837975	9·166654	1467	10·833346	·004628	30	9·995372	39
22	9·162885	1433	·837115	9·167532	1464	10·832468	·004647	32	9·995353	38
23	9·163743	1430	·836257	9·168409	1461	10·831591	·004666	32	9·995334	37
24	9·164600	1427	·835400	9·169284	1458	10·830716	·004684	30	9·995316	36
25	9·165454	1424	·834546	9·170157	1455	10·829843	·004703	32	9·995297	35
26	9·166307	1422	·833693	9·171029	1453	10·828971	·004722	32	9·995278	34
27	9·167159	1419	·832841	9·171899	1450	10·828101	·004740	30	9·995260	33
28	9·168008	1416	·831992	9·172767	1447	10·827233	·004759	32	9·995241	32
29	9·168856	1413	·831144	9·173634	1444	10·826366	·004778	32	9·995222	31
30	9·169702	1410	·830298	9·174499	1442	10·825501	·004797	32	9·995203	30
31	9·170547	1407	·829453	9·175362	1439	10·824638	·004816	32	9·995184	29
32	9·171389	1405	·828611	9·176224	1436	10·823776	·004835	32	9·995165	28
33	9·172230	1402	·827770	9·177084	1433	10·822916	·004854	32	9·995146	27
34	9·173070	1399	·826930	9·177942	1431	10·822058	·004873	32	9·995127	26
35	9·173908	1396	·826092	9·178799	1428	10·821201	·004892	32	9·995108	25
36	9·174744	1394	·825256	9·179655	1425	10·820345	·004911	32	9·995089	24
37	9·175578	1391	·824422	9·180508	1423	10·819492	·004930	32	9·995070	23
38	9·176411	1388	·823589	9·181360	1420	10·818640	·004949	32	9·995051	22
39	9·177242	1385	·822758	9·182211	1417	10·817789	·004968	32	9·995032	21
40	9·178072	1383	·821928	9·183059	1415	10·816941	·004987	32	9·995013	20
41	9·178900	1380	·821100	9·183907	1412	10·816093	·005007	33	9·994993	19
42	9·179726	1377	·820274	9·184752	1409	10·815248	·005026	32	9·994974	18
43	9·180551	1374	·819449	9·185597	1407	10·814403	·005045	32	9·994955	17
44	9·181374	1372	·818626	9·186439	1404	10·813561	·005065	33	9·994935	16
45	9·182196	1369	·817804	9·187280	1402	10·812720	·005084	32	9·994916	15
46	9·183016	1367	·816984	9·188120	1399	10·811880	·005104	33	9·994896	14
47	9·183834	1364	·816166	9·188958	1396	10·811042	·005123	32	9·994877	13
48	9·184651	1361	·815349	9·189794	1394	10·810206	·005143	33	9·994857	12
49	9·185466	1359	·814534	9·190629	1391	10·809371	·005162	32	9·994838	11
50	9·186280	1356	·813720	9·191462	1389	10·808538	·005182	33	9·994818	10
51	9·187092	1353	·812908	9·192294	1386	10·807706	·005202	33	9·994798	9
52	9·187903	1351	·812097	9·193124	1384	10·806876	·005221	32	9·994779	8
53	9·188712	1348	·811288	9·193953	1381	10·806047	·005241	33	9·994759	7
54	9·189519	1346	·810481	9·194780	1379	10·805220	·005261	33	9·994739	6
55	9·190325	1343	·809675	9·195606	1376	10·804394	·005281	32	9·994720	5
56	9·191130	1341	·808870	9·196430	1374	10·803570	·005300	33	9·994700	4
57	9·191933	1338	·808067	9·197253	1371	10·802747	·005320	33	9·994680	3
58	9·192734	1336	·807266	9·198074	1369	10·801926	·005340	33	9·994660	2
59	9·193534	1333	·806466	9·198894	1366	10·801106	·005360	33	9·994640	1
60	9·194332	1330	·805668	9·199713	1364	10·800287	·005380	33	9·994620	0
′	Cosine		Secant.	Cotangent.		Tangent.	Cosecant.		Sine.	′

81 DEG.

9 DEG.

′	Sine.	Diff. 100″	Cosecant.	Tangent.	Diff. 100″	Cotangent.	Secant.	Diff. 100″	Cosine.	′
0	9·194332		·805668	9·199713		10·800287	·005380		9·994620	60
1	9·195129	1328	·804871	9·200529	1361	10·799471	·005400	33	9·994600	59
2	9·195925	1326	·804075	9·201345	1359	10·798655	·005420	33	9·994580	58
3	9·196719	1323	·803281	9·202159	1356	10·797841	·005440	33	9·994560	57
4	9·197511	1321	·802489	9·202971	1354	10·797029	·005460	33	9·994540	56
5	9·198302	1318	·801698	9·203782	1352	10·796218	·005481	35	9·994519	55
6	9·199091	1316	·800909	9·204592	1349	10·795408	·005501	33	9·994499	54
7	9·199879	1313	·800121	9·205400	1347	10·794600	·005521	33	9·994479	53
8	9·200666	1311	·799334	9·206207	1345	10·793793	·005541	33	9·994459	52
9	9·201451	1308	·798549	9·207013	1342	10·792987	·005562	35	9·994438	51
10	9·202234	1306	·797766	9·207817	1340	10·792183	·005582	33	9·994418	50
11	9·203017	1304	·796983	9·208619	1338	10·791381	·005602	33	9·994398	49
12	9·203797	1301	·796203	9·209420	1335	10·790580	·005623	35	9·994377	48
13	9·204577	1299	·795423	9·210220	1333	10·789780	·005643	33	9·994357	47
14	9·205354	1296	·794646	9·211018	1331	10·788982	·005664	35	9·994336	46
15	9·206131	1294	·793869	9·211815	1328	10·788185	·005684	33	9·994316	45
16	9·206906	1292	·793094	9·212611	1326	10·787389	·005705	35	9·994295	44
17	9·207679	1289	·792321	9·213405	1324	10·786595	·005726	35	9·994274	43
18	9·208452	1287	·791548	9·214198	1321	10·785802	·005746	33	9·994254	42
19	9·209222	1285	·790778	9·214989	1319	10·785011	·005767	35	9·994233	41
20	9·209992	1282	·790008	9·215780	1317	10·784220	·005788	35	9·994212	40
21	9·210760	1280	·789240	9·216568	1315	10·783432	·005809	35	9·994191	39
22	9·211526	1278	·788474	9·217356	1312	10·782644	·005829	33	9·994171	38
23	9·212291	1275	·787709	9·218142	1310	10·781858	·005850	35	9·994150	37
24	9·213055	1273	·786945	9·218926	1308	10·781074	·005871	35	9·994129	36
25	9·213818	1271	·786182	9·219710	1305	10·780290	·005892	35	9·994108	35
26	9·214579	1268	·785421	9·220492	1303	10·779508	·005913	35	9·994087	34
27	9·215338	1266	·784662	9·221272	1301	10·778728	·005934	35	9·994066	33
28	9·216097	1264	·783903	9·222052	1299	10·777948	·005955	35	9·994045	32
29	9·216854	1261	·783146	9·222830	1297	10·777170	·005976	35	9·994024	31
30	9·217609	1259	·782391	9·223607	1294	10·776393	·005997	35	9·994003	30
31	9·218363	1257	·781637	9·224382	1292	10·775618	·006018	35	9·993982	29
32	9·219116	1255	·780884	9·225156	1290	10·774844	·006040	37	9·993960	28
33	9·219868	1253	·780132	9·225929	1288	10·774071	·006061	35	9·993939	27
34	9·220618	1250	·779382	9·226700	1286	10·773300	·006082	35	9·993918	26
35	9·221367	1248	·778633	9·227471	1284	10·772529	·006103	35	9·993897	25
36	9·222115	1246	·777885	9·228239	1281	10·771761	·006125	37	9·993875	24
37	9·222861	1244	·777139	9·229007	1279	10·770993	·006146	35	9·993854	23
38	9·223606	1242	·776394	9·229773	1277	10·770227	·006168	37	9·993832	22
39	9·224349	1239	·775651	9·230539	1275	10·769461	·006189	35	9·993811	21
40	9·225092	1237	·774908	9·231302	1273	10·768698	·006211	37	9·993789	20
41	9·225833	1235	·774167	9·232065	1271	10·767935	·006232	35	9·993768	19
42	9·226573	1233	·773427	9·232826	1269	10·767174	·006254	37	9·993746	18
43	9·227311	1231	·772689	9·233586	1267	10·766414	·006275	35	9·993725	17
44	9·228048	1228	·771952	9·234345	1265	10·765655	·006297	37	9·993703	16
45	9·228784	1226	·771216	9·235103	1262	10·764897	·006319	37	9·993681	15
46	9·229518	1224	·770482	9·235859	1260	10·764141	·006340	35	9·993660	14
47	9·230252	1222	·769748	9·236614	1258	10·763386	·006362	37	9·993638	13
48	9·230984	1220	·769016	9·237368	1256	10·762632	·006384	37	9·993616	12
49	9·231715	1218	·768285	9·238120	1254	10·761880	·006406	37	9·993594	11
50	9·232444	1216	·767556	9·238872	1252	10·761128	·006428	37	9·993572	10
51	9·233172	1214	·766828	9·239622	1250	10·760378	·006450	37	9·993550	9
52	9·233899	1212	·766101	9·240371	1248	10·759629	·006472	37	9·993528	8
53	9·234625	1209	·765375	9·241118	1246	10·758882	·006494	37	9·993506	7
54	9·235349	1207	·764651	9·241865	1244	10·758135	·006516	37	9·993484	6
55	9·236073	1205	·763927	9·242610	1242	10·757390	·006538	37	9·993462	5
56	9·236795	1203	·763205	9·243354	1240	10·756646	·006560	37	9·993440	4
57	9·237515	1201	·762485	9·244097	1238	10·755903	·006582	37	9·993418	3
58	9·238235	1199	·761765	9·244839	1236	10·755161	·006604	37	9·993396	2
59	9·238953	1197	·761047	9·245579	1234	10·754421	·006626	37	9·993374	1
60	9·239670	1195	·760330	9·246319	1232	10·753681	·006649	38	9·993351	0
′	Cosine.		Secant.	Cotangent.		Tangent.	Cosecant.		Sine.	′

80 DEG.

10 DEG.

′	Sine.	Diff. 100″	Cosecant.	Tangent.	Diff. 100″	Cotangent.	Secant.	Diff. 100″	Cosine.	′
0	9·239670		·760330	9·246319		10·753681	·006649		9·993351	60
1	9·240386	1193	·759614	9·247057	1230	10·752943	·006671	37	9·993329	59
2	9·241101	1191	·758899	9·247794	1228	10·752206	·006693	37	9·993307	58
3	9·241814	1189	·758181	9·248530	1226	10·751470	·006715	38	9·993285	57
4	9·242526	1187	·757474	9·249264	1224	10·750736	·006738	37	9·993262	56
5	9·243237	1185	·756763	9·249998	1222	10·750002	·006760	37	9·993240	55
6	9·243947	1183	·756053	9·250730	1220	10·749270	·006783	38	9·993217	54
7	9·244656	1181	·755344	9·251461	1218	10·748539	·006805	37	9·993195	53
8	9·245363	1179	·754637	9·252191	1217	10·747809	·006828	38	9·993172	52
9	9·246069	1177	·753931	9·252920	1215	10·747080	·006851	38	9·993149	51
10	9·246775	1175	·753225	9·253648	1213	10·746352	·006873	37	9·993127	50
11	9·247478	1173	·752522	9·254374	1211	10·745626	·006896	38	9·993104	49
12	9·248181	1171	·751819	9·255100	1209	10·744900	·006919	38	9·993081	48
13	9·248883	1169	·751117	9·255824	1207	10·744176	·006941	37	9·993059	47
14	9·249583	1167	·750417	9·256547	1205	10·743453	·006964	38	9·993036	46
15	9·250282	1165	·749718	9·257269	1203	10·742731	·006987	38	9·993013	45
16	9·250980	1163	·749020	9·257990	1201	10·742010	·007010	38	9·992990	44
17	9·251677	1161	·748323	9·258710	1200	10·741290	·007033	38	9·992967	43
18	9·252373	1159	·747627	9·259429	1198	10·740571	·007056	38	9·992944	42
19	9·253067	1158	·746933	9·260146	1196	10·739854	·007079	38	9·992921	41
20	9·253761	1156	·746239	9·260863	1194	10·739137	·007102	38	9·992898	40
21	9·254453	1154	·745547	9·261578	1192	10·738422	·007125	38	9·992875	39
22	9·255144	1152	·744856	9·262292	1190	10·737708	·007148	38	9·992852	38
23	9·255834	1150	·744166	9·263005	1189	10·736995	·007171	38	9·992829	37
24	9·256523	1148	·743477	9·263717	1187	10·736283	·007194	38	9·992806	36
25	9·257211	1146	·742789	9·264428	1185	10·735572	·007217	38	9·992783	35
26	9·257898	1144	·742102	9·265138	1183	10·734862	·007241	40	9·992759	34
27	9·258583	1142	·741417	9·265847	1181	10·734153	·007264	38	9·992736	33
28	9·259268	1141	·740732	9·266555	1179	10·733445	·007287	38	9·992713	32
29	9·259951	1139	·740049	9·267261	1178	10·732739	·007311	38	9·992690	31
30	9·260633	1137	·739367	9·267967	1176	10·732033	·007334	40	9·992666	30
31	9·261314	1135	·738686	9·268671	1174	10·731329	·007357	38	9·992643	29
32	9·261994	1133	·738006	9·269375	1172	10·730625	·007381	40	9·992619	28
33	9·262673	1131	·737327	9·270077	1170	10·729923	·007404	38	9·992596	27
34	9·263351	1130	·736649	9·270779	1169	10·729221	·007428	40	9·992572	26
35	9·264027	1128	·735973	9·271479	1167	10·728521	·007451	38	9·992549	25
36	9·264703	1126	·735297	9·272178	1165	10·727822	·007475	40	9·992525	24
37	9·265377	1124	·734623	9·272876	1164	10·727124	·007499	40	9·992501	23
38	9·266051	1122	·733949	9·273573	1162	10·726427	·007522	38	9·992478	22
39	9·266723	1120	·733277	9·274269	1160	10·725731	·007546	40	9·992454	21
40	9·267395	1119	·732605	9·274964	1158	10·725036	·007570	40	9·992430	20
41	9·268065	1117	·731935	9·275658	1157	10·724342	·007594	40	9·992406	19
42	9·268734	1115	·731266	9·276351	1155	10·723649	·007618	40	9·992382	18
43	9·269402	1113	·730598	9·277043	1153	10·722957	·007642	38	9·992358	17
44	9·270069	1111	·729931	9·277734	1151	10·722266	·007665	40	9·992335	16
45	9·270735	1110	·729265	9·278424	1150	10·721576	·007689	40	9·992311	15
46	9·271400	1108	·728600	9·279113	1148	10·720887	·007713	40	9·992287	14
47	9·272064	1106	·727936	9·279801	1146	10·720199	·007737	40	9·992263	13
48	9·272726	1105	·727274	9·280488	1145	10·719512	·007761	40	9·992239	12
49	9·273388	1103	·726612	9·281174	1143	10·718826	·007786	42	9·992214	11
50	9·274049	1101	·725951	9·281858	1141	10·718142	·007810	40	9·992190	10
51	9·274708	1099	·725292	9·282542	1140	10·717458	·007834	40	9·992166	9
52	9·275367	1098	·724633	9·283225	1138	10·716775	·007858	40	9·992142	8
53	9·276025	1096	·723975	9·283907	1136	10·716093	·007882	40	9·992118	7
54	9·276681	1094	·723319	9·284588	1135	10·715412	·007907	42	9·992093	6
55	9·277337	1092	·722663	9·285268	1133	10·714732	·007931	40	9·992069	5
56	9·277991	1091	·722009	9·285947	1131	10·714053	·007956	42	9·992044	4
57	9·278645	1089	·721355	9·286624	1130	10·713376	·007980	40	9·992020	3
58	9·279297	1087	·720703	9·287301	1128	10·712699	·008004	40	9·991996	2
59	9·279948	1086	·720052	9·287977	1126	10·712023	·008029	42	9·991971	1
60	9·280599	1084	·719401	9·288652	1125	10·711348	·008053	40	9·991947	0
′	Cosine.		Secant.	Cotangent.		Tangent.	Cosecant.		Sine.	′

11 DEG.

′	Sine.	Diff. 100″	Cosecant.	Tangent.	Diff. 100″	Cotangent.	Secant.	Diff. 100″	Cosine.	′
0	9·280599		·719401	9·288652		10·711348	·008053		9·991947	60
1	9·281248	1082	·718752	9·289326	1123	10·710674	·008078	42	9·991922	59
2	9·281897	1081	·718103	9·289999	1122	10·710001	·008103	42	9·991897	58
3	9·282544	1079	·717456	9·290671	1120	10·709329	·008127	40	9·991873	57
4	9·283190	1077	·716810	9·291342	1118	10·708658	·008152	42	9·991848	56
5	9·283836	1076	·716164	9·292013	1117	10·707987	·008177	42	9·991823	55
6	9·284480	1074	·715520	9·292682	1115	10·707318	·008201	40	9·991799	54
7	9·285124	1072	·714876	9·293350	1114	10·706650	·008226	42	9·991774	53
8	9·285766	1071	·714234	9·294017	1112	10·705983	·008251	42	9·991749	52
9	9·286408	1069	·713592	9·294684	1111	10·705316	·008276	42	9·991724	51
10	9·287048	1067	·712952	9·295349	1109	10·704651	·008301	42	9·991699	50
11	9·287688	1066	·712312	9·296013	1107	10·703987	·008326	42	9·991674	49
12	9·288326	1064	·711674	9·296677	1106	10·703323	·008351	42	9·991649	48
13	9·288964	1063	·711036	9·297339	1104	10·702661	·008376	42	9·991624	47
14	9·289600	1061	·710400	9·298001	1103	10·701999	·008401	42	9·991599	46
15	9·290236	1059	·709764	9·298662	1101	10·701338	·008426	42	9·991574	45
16	9·290870	1058	·709130	9·299322	1100	10·700678	·008451	42	9·991549	44
17	9·291504	1056	·708496	9·299980	1098	10·700020	·008476	42	9·991524	43
18	9·292137	1054	·707863	9·300638	1096	10·699362	·008502	43	9·991498	42
19	9·292768	1053	·707232	9·301295	1095	10·698705	·008527	42	9·991473	41
20	9·293399	1051	·706601	9·301951	1093	10·698049	·008552	42	9·991448	40
21	9·294029	1050	·705971	9·302607	1092	10·697393	·008578	43	9·991422	39
22	9·294658	1048	·705342	9·303261	1090	10·696739	·008603	42	9·991397	38
23	9·295286	1046	·704714	9·303914	1089	10·696086	·008628	42	9·991372	37
24	9·295913	1045	·704087	9·304567	1087	10·695433	·008654	43	9·991346	36
25	9·296539	1043	·703461	9·305218	1086	10·694782	·008679	42	9·991321	35
26	9·297164	1042	·702836	9·305869	1084	10·694131	·008705	43	9·991295	34
27	9·297788	1040	·702212	9·306519	1083	10·693481	·008730	42	9·991270	33
28	9·298412	1039	·701588	9·307168	1081	10·692832	·008756	43	9·991244	32
29	9·299034	1037	·700966	9·307815	1080	10·692185	·008782	43	9·991218	31
30	9·299655	1036	·700345	9·308463	1078	10·691537	·008807	42	9·991193	30
31	9·300276	1034	·699724	9·309109	1077	10·690891	·008833	43	9·991167	29
32	9·300895	1032	·699105	9·309754	1075	10·690246	·008859	43	9·991141	28
33	9·301514	1031	·698486	9·310398	1074	10·689602	·008885	43	9·991115	27
34	9·302132	1029	·697868	9·311042	1073	10·688958	·008910	42	9·991090	26
35	9·302748	1028	·697252	9·311685	1071	10·688315	·008936	43	9·991064	25
36	9·303364	1026	·696636	9·312327	1070	10·687673	·008962	43	9·991038	24
37	9·303979	1025	·696021	9·312967	1068	10·687033	·008988	43	9·991012	23
38	9·304593	1023	·695407	9·313608	1067	10·686392	·009014	43	9·990986	22
39	9·305207	1022	·694793	9·314247	1065	10·685753	·009040	43	9·990960	21
40	9·305819	1020	·694181	9·314885	1064	10·685115	·009066	43	9·990934	20
41	9·306430	1019	·693570	9·315523	1062	10·684477	·009092	43	9·990908	19
42	9·307041	1017	·692959	9·316159	1061	10·683841	·009118	43	9·990882	18
43	9·307650	1016	·692350	9·316795	1060	10·683205	·009145	45	9·990855	17
44	9·308259	1014	·691741	9·317430	1058	10·682570	·009171	43	9·990829	16
45	9·308867	1013	·691133	9·318064	1057	10·681936	·009197	43	9·990803	15
46	9·309474	1011	·690526	9·318697	1055	10·681303	·009223	43	9·990777	14
47	9·310080	1010	·689920	9·319329	1054	10·680671	·009250	45	9·990750	13
48	9·310685	1008	·689315	9·319961	1053	10·680039	·009276	43	9·990724	12
49	9·311289	1007	·688711	9·320592	1051	10·679408	·009303	45	9·990697	11
50	9·311893	1006	·688107	9·321222	1050	10·678778	·009329	43	9·990671	10
51	9·312495	1004	·687505	9·321851	1048	10·678149	·009355	43	9·990645	9
52	9·313097	1003	·686903	9·322479	1047	10·677521	·009382	45	9·990618	8
53	9·313698	1001	·686302	9·323106	1045	10·676894	·009409	45	9·990591	7
54	9·314297	1000	·685703	9·323733	1044	10·676267	·009435	43	9·990565	6
55	9·314897	998	·685103	9·324358	1043	10·675642	·009462	45	9·990538	5
56	9·315495	997	·684505	9·324983	1041	10·675017	·009489	45	9·990511	4
57	9·316092	996	·683908	9·325607	1040	10·674393	·009515	43	9·990485	3
58	9·316689	994	·683311	9·326231	1039	10·673769	·009542	45	9·990458	2
59	9·317284	993	·682716	9·326853	1037	10·673147	·009569	45	9·990431	1
60	9·317879	991	·682121	9·327475	1036	10·672525	·009596	45	9·990404	0
′	Cosine.		Secant.	Cotangent.		Tangent.	Cosecant.		Sine.	′

78 DEG.

12 DEG.

′	Sine.	Diff. 100″	Cosecant.	Tangent.	Diff. 100″	Cotangent.	Secant.	Diff. 100″	Cosine.	′
0	9·317879		·682121	9·327474		10·672526	·009596		9·990404	60
1	9·318473	990	·681527	9·328095	1035	10·671905	·009622	43	9·990378	59
2	9·319066	988	·680934	9·328715	1033	10·671285	·009649	45	9·990351	58
3	9·319658	987	·680342	9·329334	1032	10·670666	·009676	45	9·990324	57
4	9·320249	986	·679751	9·329953	1030	10·670047	·009703	45	9·990297	56
5	9·320840	984	·679160	9·330570	1029	10·669430	·009730	45	9·990270	55
6	9·321430	983	·678570	9·331187	1028	10·668813	·009757	45	9·990243	54
7	9·322019	982	·677981	9·331803	1026	10·668197	·009785	47	9·990215	53
8	9·322607	980	·677393	9·332418	1025	10·667582	·009812	45	9·990188	52
9	9·323194	979	·676806	9·333033	1024	10·666967	·009839	45	9·990161	51
10	9·323780	977	·676220	9·333646	1023	10·666354	·009866	45	9·990134	50
11	9·324366	976	·675634	9·334259	1021	10·665741	·009893	45	9·990107	49
12	9·324950	975	·675050	9·334871	1020	10·665129	·009921	47	9·990079	48
13	9·325534	973	·674466	9·335482	1019	10·664518	·009948	45	9·990052	47
14	9·326117	972	·673883	9·336093	1017	10·663907	·009975	45	9·990025	46
15	9·326700	970	·673300	9·336702	1016	10·663298	·010003	47	9·989997	45
16	9·327281	969	·672719	9·337311	1015	10·662689	·010030	45	9·989970	44
17	9·327862	968	·672138	9·337919	1013	10·662081	·010058	47	9·989942	43
18	9·328442	966	·671558	9·338527	1012	10·661473	·010085	45	9·989915	42
19	9·329021	965	·670979	9·339133	1011	10·660867	·010113	47	9·989887	41
20	9·329599	964	·670401	9·339739	1010	10·660261	·010140	45	9·989860	40
21	9·330176	962	·669824	9·340344	1008	10·659656	·010168	47	9·989832	39
22	9·330753	961	·669247	9·340948	1007	10·659052	·010196	47	9·989804	38
23	9·331329	960	·668671	9·341552	1006	10·658448	·010223	45	9·989777	37
24	9·331903	958	·668097	9·342155	1004	10·657845	·010251	47	9·989749	36
25	9·332478	957	·667522	9·342757	1003	10·657243	·010279	47	9·989721	35
26	9·333051	956	·666949	9·343358	1002	10·656642	·010307	47	9·989693	34
27	9·333624	954	·666376	9·343958	1001	10·656042	·010335	47	9·989665	33
28	9·334195	953	·665805	9·344558	999	10·655442	·010363	47	9·989637	32
29	9·334767	952	·665233	9·345157	998	10·654843	·010390	45	9·989610	31
30	9·335337	950	·664663	9·345755	997	10·654245	·010418	47	9·989582	30
31	9·335906	949	·664094	9·346353	996	10·653647	·010447	48	9·989553	29
32	9·336475	948	·663525	9·346949	994	10·653051	·010475	47	9·989525	28
33	9·337043	946	·662957	9·347545	993	10·652455	·010503	47	9·989497	27
34	9·337610	945	·662390	9·348141	992	10·651859	·010531	47	9·989469	26
35	9·338176	944	·661824	9·348735	991	10·651265	·010559	47	9·989441	25
36	9·338742	943	·661258	9·349329	990	10·650671	·010587	47	9·989413	24
37	9·339307	941	·660693	9·349922	988	10·650078	·010615	47	9·989385	23
38	9·339871	940	·660129	9·350514	987	10·649486	·010644	48	9·989356	22
39	9·340434	939	·659566	9·351106	986	10·648894	·010672	47	9·989328	21
40	9·340996	937	·659004	9·351697	985	10·648303	·010700	47	9·989300	20
41	9·341558	936	·658442	9·352287	983	10·647713	·010729	48	9·989271	19
42	9·342119	935	·657881	9·352876	982	10·647124	·010757	47	9·989243	18
43	9·342679	934	·657321	9·353465	981	10·646535	·010786	48	9·989214	17
44	9·343239	932	·656761	9·354053	980	10·645947	·010814	47	9·989186	16
45	9·343797	931	·656203	9·354640	979	10·645360	·010843	48	9·989157	15
46	9·344355	930	·655645	9·355227	977	10·644773	·010872	48	9·989128	14
47	9·344912	929	·655088	9·355813	976	10·644187	·010900	47	9·989100	13
48	9·345469	927	·654531	9·356398	975	10·643602	·010929	48	9·989071	12
49	9·346024	926	·653976	9·356982	974	10·643018	·010958	48	9·989042	11
50	9·346579	925	·653421	9·357566	973	10·642434	·010986	47	9·989014	10
51	9·347134	924	·652866	9·358149	971	10·641851	·011015	48	9·988985	9
52	9·347687	922	·652313	9·358731	970	10·641269	·011044	48	9·988956	8
53	9·348240	921	·651760	9·359313	969	10·640687	·011073	48	9·988927	7
54	9·348792	920	·651208	9·359893	968	10·640107	·011102	48	9·988898	6
55	9·349343	919	·650657	9·360474	967	10·639526	·011131	48	9·988869	5
56	9·349893	917	·650107	9·361053	966	10·638947	·011160	48	9·988840	4
57	9·350443	916	·649557	9·361632	965	10·638368	·011189	48	9·988811	3
58	9·350992	915	·649008	9·362210	963	10·637790	·011218	48	9·988782	2
59	9·351540	914	·648460	9·362787	962	10·637213	·011247	48	9·988753	1
60	9·352088	913	·647912	9·363364	961	10·636636	·011276	48	9·988724	0
′	Cosine.		Secant.	Cotangent.		Tangent.	Cosecant.		Sine.	′

77 DEG

13 DEG.

′	Sine.	Diff. 100″	Cosecant.	Tangent.	Diff. 100″	Cotangent.	Secant.	Diff 100′	Cosine.	′
0	9·352088		·647912	9·363364		10·636636	·011276		9·988724	60
1	9·352635	911	·647365	9·363940	960	10·636060	·011305	48	9·988695	59
2	9·353181	910	·646819	9·364515	959	10·635485	·011334	48	9·988666	58
3	9·353726	909	·646274	9·365090	958	10·634910	·011364	50	9·988636	57
4	9·354271	908	·645729	9·365664	957	10·634336	·011393	48	9·988607	56
5	9·354815	907	·645185	9·366237	955	10·633763	·011422	48	9·988578	55
6	9·355358	905	·644642	9·366810	954	10·633190	·011452	50	9·988548	54
7	9·355901	904	·644099	9·367382	953	10·632618	·011481	48	9·988519	53
8	9·356443	903	·643557	9·367953	952	10·632047	·011511	50	9·988489	52
9	9·356984	902	·643016	9·368524	951	10·631476	·011540	48	9·988460	51
10	9·357524	901	·642476	9·369094	950	10·630906	·011570	50	9·988430	50
11	9·358064	899	·641936	9·369663	949	10·630337	·011599	48	9·988401	49
12	9·358603	898	·641397	9·370232	948	10·629768	·011629	50	9·988371	48
13	9·359141	897	·640859	9·370799	946	10·629201	·011658	48	9·988342	47
14	9·359678	896	·640322	9·371367	945	10·628633	·011688	50	9·988312	46
15	9·360215	895	·639785	9·371933	944	10·628067	·011718	50	9·988282	45
16	9·360752	893	·639248	9·372499	943	10·627501	·011748	50	9·988252	44
17	9·361287	892	·638713	9·373064	942	10·626936	·011777	48	9·988223	43
18	9·361822	891	·638178	9·373629	941	10·626371	·011807	50	9·988193	42
19	9·362356	890	·637644	9·374193	940	10·625807	·011837	50	9·988163	41
20	9·362889	889	·637111	9·374756	939	10·625244	·011867	50	9·988133	40
21	9·363422	888	·636578	9·375319	938	10·624681	·011897	50	9·988103	39
22	9·363954	887	·636046	9·375881	937	10·624119	·011927	50	9·988073	38
23	9·364485	885	·635515	9·376442	935	10·623558	·011957	50	9·988043	37
24	9·365016	884	·634984	9·377003	934	10·622997	·011987	50	9·988013	36
25	9·365546	883	·634454	9·377563	933	10·622437	·012017	50	9·987983	35
26	9·366075	882	·633925	9·378122	932	10·621878	·012047	50	9·987953	34
27	9·366604	881	·633396	9·378681	931	10·621319	·012078	52	9·987922	33
28	9·367131	880	·632869	9·379239	930	10·620761	·012108	50	9·987892	32
29	9·367659	879	·632341	9·379797	929	10·620203	·012138	50	9·987862	31
30	9·368185	878	·631815	9·380354	928	10·619646	·012168	50	9·987832	30
31	9·368711	876	·631289	9·380910	927	10·619090	·012199	52	9·987801	29
32	9·369236	875	·630764	9·381466	926	10·618534	·012229	50	9·987771	28
33	9·369761	874	·630239	9·382020	925	10·617980	·012260	52	9·987740	27
34	9·370285	873	·629715	9·382575	924	10·617425	·012290	50	9·987710	26
35	9·370808	872	·629192	9·383129	923	10·616871	·012321	52	9·987679	25
36	9·371330	871	·628670	9·383682	922	10·616318	·012351	50	9·987649	24
37	9·371852	870	·628148	9·384234	921	10·615766	·012382	52	9·987618	23
38	9·372373	869	·627627	9·384786	920	10·615214	·012412	50	9·987588	22
39	9·372894	867	·627106	9·385337	919	10·614663	·012443	52	9·987557	21
40	9·373414	866	·626586	9·385888	918	10·614112	·012474	52	9·987526	20
41	9·373933	865	·626067	9·386438	917	10·613562	·012504	50	9·987496	19
42	9·374452	864	·625548	9·386987	916	10·613013	·012535	52	9·987465	18
43	9·374970	863	·625030	9·387536	914	10·612464	·012566	52	9·987434	17
44	9·375487	862	·624513	9·388084	913	10·611916	·012597	52	9·987403	16
45	9·376003	861	·623997	9·388631	912	10·611369	·012628	52	9·987372	15
46	9·376519	860	·623481	9·389178	911	10·610822	·012659	52	9·987341	14
47	9·377035	859	·622965	9·389724	910	10·610276	·012690	52	9·987310	13
48	9·377549	858	·622451	9·390270	909	10·609730	·012721	52	9·987279	12
49	9·378063	857	·621937	9·390815	908	10·609185	·012752	52	9·987248	11
50	9·378577	856	·621423	9·391360	907	10·608640	·012783	52	9·987217	10
51	9·379089	854	·620911	9·391903	906	10·608097	·012814	52	9·987186	9
52	9·379601	853	·620399	9·392447	905	10·607553	·012845	52	9·987155	8
53	9·380113	852	·619887	9·392989	904	10·607011	·012876	52	9·987124	7
54	9·380624	851	·619376	9·393531	903	10·606469	·012908	53	9·987092	6
55	9·381134	850	·618866	9·394073	902	10·605927	·012939	52	9·987061	5
56	9·381643	849	·618357	9·394614	901	10·605386	·012970	52	9·987030	4
57	9·382152	848	·617848	9·395154	900	10·604846	·013002	53	9·986998	3
58	9·382661	847	·617339	9·395694	899	10·604306	·013033	52	9·986967	2
59	9·383168	846	·616832	9·396233	898	10·603767	·013064	52	9·986936	1
60	9·383675	845	·616325	9·396771	897	10·603229	·013096	53	9·986904	0
′	Cosine.		Secant.	Cotangent.		Tangent.	Cosecant.		Sine.	′

76 DEG.

14 DEG.

′	Sine.	Diff. 100″	Cosecant.	Tangent.	Diff. 100″	Cotangent.	Secant.	Diff. 100″	Cosine.	′
0	9·383675		·616325	9·396771		10·603229	·013096		9·986904	60
1	9·384182	844	·615818	9·397309	896	10·602691	·013127	52	9·986873	59
2	9·384687	843	·615313	9·397846	896	10·602154	·013159	53	9·986841	58
3	9·385192	842	·614808	9·398383	895	10·601617	·013191	53	9·986809	57
4	9·385697	841	·614303	9·398919	894	10·601081	·013222	52	9·986778	56
5	9·386201	840	·613799	9·399455	893	10·600545	·013254	53	9·986746	55
6	9·386704	839	·613296	9·399990	892	10·600010	·013286	53	9·986714	54
7	9·387207	838	·612793	9·400524	891	10·599476	·013317	52	9·986683	53
8	9·387709	837	·612291	9·401058	890	10·598942	·013349	53	9·986651	52
9	9·388210	836	·611790	9·401591	889	10·598409	·013381	53	9·986619	51
10	9·388711	835	·611289	9·402124	888	10·597876	·013413	53	9·986587	50
11	9·389211	834	·610789	9·402656	887	10·597344	·013445	53	9·986555	49
12	9·389711	833	·610289	9·403187	886	10·596813	·013477	53	9·986523	48
13	9·390210	832	·609790	9·403718	885	10·596282	·013509	53	9·986491	47
14	9·390708	831	·609292	9·404249	884	10·595751	·013541	53	9·986459	46
15	9·391206	830	·608794	9·404778	883	10·595222	·013573	53	9·986427	45
16	9·391703	828	·608297	9·405308	882	10·594692	·013605	53	9·986395	44
17	9·392199	827	·607801	9·405836	881	10·594164	·013637	53	9·986363	43
18	9·392695	826	·607305	9·406364	880	10·593636	·013669	53	9·986331	42
19	9·393191	825	·606810	9·406892	879	10·593108	·013701	53	9·986299	41
20	9·393685	824	·606315	9·407419	878	10·592581	·013734	55	9·986266	40
21	9·394179	823	·605821	9·407945	877	10·592055	·013766	53	9·986234	39
22	9·394673	822	·605327	9·408471	876	10·591529	·013798	53	9·986202	38
23	9·395166	821	·604834	9·408997	875	10·591003	·013831	55	9·986169	37
24	9·395658	820	·604342	9·409521	874	10·590479	·013863	53	9·986137	36
25	9·396150	819	·603850	9·410045	874	10·589955	·013896	55	9·986104	35
26	9·396641	818	·603359	9·410569	873	10·589431	·013928	53	9·986072	34
27	9·397132	817	·602868	9·411092	872	10·588908	·013961	55	9·986039	33
28	9·397621	817	·602379	9·411615	871	10·588385	·013993	53	9·986007	32
29	9·398111	816	·601889	9·412137	870	10·587863	·014026	55	9·985974	31
30	9·398600	815	·601400	9·412658	869	10·587342	·014058	53	9·985942	30
31	9·399088	814	·600912	9·413179	868	10·586821	·014091	55	9·985909	29
32	9·399575	813	·600425	9·413699	867	10·586301	·014124	55	9·985876	28
33	9·400062	812	·599938	9·414219	866	10·585781	·014157	55	9·985843	27
34	9·400549	811	·599451	9·414738	865	10·585262	·014189	53	9·985811	26
35	9·401035	810	·598965	9·415257	864	10·584743	·014222	55	9·985778	25
36	9·401520	809	·598480	9·415775	864	10·584225	·014255	55	9·985745	24
37	9·402005	808	·597995	9·416293	863	10·583707	·014288	55	9·985712	23
38	9·402489	807	·597511	9·416810	862	10·583190	·014321	55	9·985679	22
39	9·402972	806	·597028	9·417326	861	10·582674	·014354	55	9·985646	21
40	9·403455	805	·596545	9·417842	860	10·582158	·014387	55	9·985613	20
41	9·403938	804	·596062	9·418358	859	10·581642	·014420	55	9·985580	19
42	9·404420	803	·595580	9·418873	858	10·581127	·014453	55	9·985547	18
43	9·404901	802	·595099	9·419387	857	10·580613	·014486	55	9·985514	17
44	9·405382	801	·594618	9·419901	856	10·580099	·014520	57	9·985480	16
45	9·405862	800	·594138	9·420415	855	10·579585	·014553	55	9·985447	15
46	9·406341	799	·593659	9·420927	855	10·579073	·014586	55	9·985414	14
47	9·406820	798	·593180	9·421440	854	10·578560	·014619	55	9·985381	13
48	9·407299	797	·592701	9·421952	853	10·578048	·014653	57	9·985347	12
49	9·407777	796	·592223	9·422463	852	10·577537	·014686	55	9·985314	11
50	9·408254	795	·591746	9·422974	851	10·577026	·014720	57	9·985280	10
51	9·408731	794	·591269	9·423484	850	10·576516	·014753	55	9·985247	9
52	9·409207	794	·590793	9·423993	849	10·576007	·014787	57	9·985213	8
53	9·409682	793	·590318	9·424503	848	10·575497	·014820	55	9·985180	7
54	9·410157	792	·589843	9·425011	848	10·574989	·014854	57	9·985146	6
55	9·410632	791	·589368	9·425519	847	10·574481	·014887	55	9·985113	5
56	9·411106	790	·588894	9·426027	846	10·573973	·014921	57	9·985079	4
57	9·411579	789	·588421	9·426534	845	10·573466	·014955	57	9·985045	3
58	9·412052	788	·587948	9·427041	844	10·572959	·014989	57	9·985011	2
59	9·412524	787	·587476	9·427547	843	10·572453	·015022	55	9·984978	1
60	9·412996	786	·587004	9·428052	843	10·571948	·015056	57	9·984944	0
′	Cosine.		Secant.	Cotangent.		Tangent.	Cosecant.		Sine.	′

75 DEG.

15 DEG.

′	Sine.	Diff. 100″	Cosecant.	Tangent.	Diff. 100″	Cotangent.	Secant.	Diff. 100″	Cosine.	′
0	9·412996		·587004	9·428052		10·571948	·015056		9·984944	60
1	9·413467	785	·586533	9·428557	842	10·571443	·015090	57	9·984910	59
2	9·413938	784	·586062	9·429062	841	10·570938	·015124	57	9·984876	58
3	9·414408	783	·585592	9·429566	840	10·570434	·015158	57	9·984842	57
4	9·414878	783	·585122	9·430070	839	10·569930	·015192	57	9·984808	56
5	9·415347	782	·584653	9·430573	838	10·569427	·015226	57	9·984774	55
6	9·415815	781	·584185	9·431075	838	10·568925	·015260	57	9·984740	54
7	9·416283	780	·583717	9·431577	837	10·568423	·015294	57	9·984706	53
8	9·416751	779	·583249	9·432079	836	10·567921	·015328	57	9·984672	52
9	9·417217	778	·582783	9·432580	865	10·567420	·015362	57	9·984638	51
10	9·417684	777	·582316	9·433080	834	10·566920	·015397	58	9·984603	50
11	9·418150	776	·581850	9·433580	833	10·566420	·015431	57	9·984569	49
12	9·418615	775	·581385	9·434080	832	10·565920	·015465	57	9·984535	48
13	9·419079	774	·580921	9·434579	832	10·565421	·015500	58	9·984500	47
14	9·419544	773	·580456	9·435078	831	10·564922	·015534	57	9·984466	46
15	9·420007	773	·579993	9·435576	830	10·564424	·015568	57	9·984432	45
16	9·420470	772	·579530	9·436073	829	10·563927	·015603	58	9·984397	44
17	9·420933	771	·579067	9·436570	828	10·563430	·015637	57	9·984363	43
18	9·421395	770	·578605	9·437067	828	10·562933	·015672	58	9·984328	42
19	9·421857	769	·578143	9·437563	827	10·562437	·015706	58	9·984294	41
20	9·422318	768	·577682	9·438059	826	10·561941	·015741	57	9·984259	40
21	9·422778	767	·577222	9·438554	825	10·561446	·015776	58	9·984224	39
22	9·423238	767	·576762	9·439048	824	10·560952	·015810	57	9·984190	38
23	9·423697	766	·576303	9·439543	823	10·560457	·015845	58	9·984155	37
24	9·424156	765	·575844	9·440036	823	10·559964	·015880	58	9·984120	36
25	9·424615	764	·575385	9·440529	822	10·559471	·015915	58	9·984085	35
26	9·425073	763	·574927	9·441022	821	10·558978	·015950	58	9·984050	34
27	9·425530	762	·574470	9·441514	820	10·558486	·015985	58	9·984015	33
28	9·425987	761	·574013	9·442006	819	10·557994	·016019	57	9·983981	32
29	9·426443	760	·573557	9·442497	819	10·557503	·016054	58	9·983946	31
30	9·426899	760	·573101	9·442988	818	10·557012	·016089	58	9·983911	30
31	9·427354	759	·572646	9·443479	817	10·556521	·016125	60	9·983875	29
32	9·427809	758	·572191	9·443968	816	10·556032	·016160	58	9·983840	28
33	9·428263	757	·571737	9·444458	816	10·555542	·016195	58	9·983805	27
34	9·428717	756	·571283	9·444947	815	10·555053	·016230	58	9·983770	26
35	9·429170	755	·570830	9·445435	814	10·554565	·016265	58	9·983735	25
36	9·429623	754	·570377	9·445923	813	10·554077	·016300	58	9·983700	24
37	9·430075	753	·569925	9·446411	812	10·553589	·016336	60	9·983664	23
38	9·430527	752	·569473	9·446898	812	10·553102	·016371	58	9·983629	22
39	9·430978	752	·569022	9·447384	811	10·552616	·016406	58	9·983594	21
40	9·431429	751	·568571	9·447870	810	10·552130	·016442	60	9·983558	20
41	9·431879	750	·568121	9·448356	809	10·551644	·016477	58	9·983523	19
42	9·432329	749	·567671	9·448841	809	10·551159	·016513	60	9·983487	18
43	9·432778	749	·567222	9·449326	808	10·550674	·016548	58	9·983452	17
44	9·433226	748	·566774	9·449810	807	10·550190	·016584	60	9·983416	16
45	9·433675	747	·566325	9·450294	806	10·549706	·016619	58	9·983381	15
46	9·434122	746	·565878	9·450777	806	10·549223	·016655	60	9·983345	14
47	9·434569	745	·565431	9·451260	805	10·548740	·016691	60	9·983309	13
48	9·435016	744	·564984	9·451743	804	10·548257	·016727	60	9·983273	12
49	9·435462	744	·564538	9·452225	803	10·547775	·016762	58	9·983238	11
50	9·435908	743	·564092	9·452706	802	10·547294	·016798	60	9·983202	10
51	9·436353	742	·563647	9·453187	802	10·546813	·016834	60	9·983166	9
52	9·436798	741	·563202	9·453668	801	10·546332	·016870	60	9·983130	8
53	9·437242	740	·562758	9·454148	800	10·545852	·016906	60	9·983094	7
54	9·437686	740	·562314	9·454628	799	10·545372	·016942	60	9·983058	6
55	9·438129	739	·561871	9·455107	799	10·544893	·016978	60	9·983022	5
56	9·438572	738	·561428	9·455586	798	10·544414	·017014	60	9·982986	4
57	9·439014	737	·560986	9·456064	797	10·543936	·017050	60	9·982950	3
58	9·439456	736	·560544	9·456542	796	10·543458	·017086	60	9·982914	2
59	9·439897	736	·560103	9·457019	796	10·542981	·017122	60	9·982878	1
60	9·440338	735	·559662	9·457496	795	10·542504	·017158	60	9·982842	0
′	Cosine.		Secant.	Cotangent.		Tangent.	Cosecant.		Sine.	′

74 DEG.

16 DEG.

′	Sine.	Diff. 100″	Cosecant.	Tangent.	Diff. 100″	Cotangent.	Secant.	Diff. 100″	Cosine.	′
0	9·440338		·559662	9·457496		10·542504	·017158		9·982842	60
1	9·440778	734	·559222	9·457973	794	10·542027	·017195	62	9·982805	59
2	9·441218	733	·558782	9·458449	793	10·541551	·017231	60	9·982769	58
3	9·441658	732	·558342	9·458925	793	10·541075	·017267	60	9·982733	57
4	9·442096	731	·557904	9·459400	792	10·540600	·017304	62	9·982696	56
5	9·442535	731	·557465	9·459875	791	10·540125	·017340	60	9·982660	55
6	9·442973	730	·557027	9·460349	790	10·539651	·017376	60	9·982624	54
7	9·443410	729	·556590	9·460823	790	10·539177	·017413	62	9·982587	53
8	9·443847	728	·556153	9·461297	789	10·538703	·017449	60	9·982551	52
9	9·444284	727	·555716	9·461770	788	10·538230	·017486	62	9·982514	51
10	9·444720	727	·555280	9·462242	788	10·537758	·017523	62	9·982477	50
11	9·445155	726	·554845	9·462714	787	10·537286	·017559	60	9·982441	49
12	9·445590	725	·554410	9·463186	786	10·536814	·017596	62	9·982404	48
13	9·446025	724	·553975	9·463658	785	10·536342	·017633	62	9·982367	47
14	9·446459	723	·553541	9·464128	785	10·535872	·017669	60	9·982331	46
15	9·446893	723	·553107	9·464599	784	10·535401	·017706	62	9·982294	45
16	9·447326	722	·552674	9·465069	783	10·534931	·017743	62	9·982257	44
17	9·447759	721	·552241	9·465539	783	10·534461	·017780	62	9·982220	43
18	9·448191	720	·551809	9·466008	782	10·533992	·017817	62	9·982183	42
19	9·448623	720	·551377	9·466476	781	10·533524	·017854	62	9·982146	41
20	9·449054	719	·550946	9·466945	780	10·533055	·017891	62	9·982109	40
21	9·449485	718	·550515	9·467413	780	10·532587	·017928	62	9·982072	39
22	9·449915	717	·550085	9·467880	779	10·532120	·017965	62	9·982035	38
23	9·450345	716	·549655	9·468347	778	10·531653	·018002	62	9·981998	37
24	9·450775	716	·549225	9·468814	778	10·531186	·018039	62	9·981961	36
25	9·451204	715	·548796	9·469280	777	10·530720	·018076	62	9·981924	35
26	9·451632	714	·548368	9·469746	776	10·530254	·018114	63	9·981886	34
27	9·452060	713	·547940	9·470211	775	10·529789	·018151	62	9·981849	33
28	9·452488	713	·547512	9·470676	775	10·529324	·018188	62	9·981812	32
29	9·452915	712	·547085	9·471141	774	10·528859	·018226	63	9·981774	31
30	9·453342	711	·546658	9·471605	773	10·528395	·018263	62	9·981737	30
31	9·453768	710	·546232	9·472068	773	10·527932	·018300	62	9·981700	29
32	9·454194	710	·545806	9·472532	772	10·527468	·018338	63	9·981662	28
33	9·454619	709	·545381	9·472995	771	10·527005	·018375	62	9·981625	27
34	9·455044	708	·544956	9·473457	771	10·526543	·018413	63	9·981587	26
35	9·455469	707	·544531	9·473919	770	10·526081	·018451	63	9·981549	25
36	9·455893	707	·544107	9·474381	769	10·525619	·018488	62	9·981512	24
37	9·456316	706	·543684	9·474842	769	10·525158	·018526	63	9·981474	23
38	9·456739	705	·543261	9·475303	768	10·524697	·018564	63	9·981436	22
39	9·457162	704	·542838	9·475763	767	10·524237	·018601	62	9·981399	21
40	9·457584	704	·542416	9·476223	767	10·523777	·018639	63	9·981361	20
41	9·458006	703	·541994	9·476683	766	10·523317	·018677	63	9·981323	19
42	9·458427	702	·541573	9·477142	765	10·522858	·018715	63	9·981285	18
43	9·458848	701	·541152	9·477601	765	10·522399	·018753	63	9·981247	17
44	9·459268	701	·540732	9·478059	764	10·521941	·018791	63	9·981209	16
45	9·459688	700	·540312	9·478517	763	10·521483	·018829	63	9·981171	15
46	9·460108	699	·539892	9·478975	763	10·521025	·018867	63	9·981133	14
47	9·460527	698	·539473	9·479432	762	10·520568	·018905	63	9·981095	13
48	9·460946	698	·539054	9·479889	761	10·520111	·018943	63	9·981057	12
49	9·461364	697	·538636	9·480345	761	10·519655	·018981	63	9·981019	11
50	9·461782	696	·538218	9·480801	760	10·519199	·019019	63	9·980981	10
51	9·462199	695	·537801	9·481257	759	10·518743	·019058	65	9·980942	9
52	9·462616	695	·537384	9·481712	759	10·518288	·019096	63	9·980904	8
53	9·463032	694	·536968	9·482167	758	10·517833	·019134	63	9·980866	7
54	9·463448	693	·536552	9 482621	757	10·517379	·019173	65	9·980827	6
55	9·463864	693	·536136	9·483075	757	10·516925	·019211	63	9·980789	5
56	9·464279	692	·535721	9·483529	756	10·516471	·019250	65	9·980750	4
57	9·464694	691	·535306	9·483982	755	10·516018	·019288	63	9·980712	3
58	9·465108	690	·534892	9·484435	755	10·515565	·019327	65	9·980673	2
59	9·465522	690	·534478	9·484887	754	10·515113	·019365	63	9·980635	1
60	9·465935	689	·534065	9·485339	753	10·514661	·019404	65	9·980596	0
′	Cosine.		Secant.	Cotangent.		Tangent.	Cosecant.		Sine.	′

73 DEG.

17 DEG.

′	Sine.	Diff. 100″	Cosecant.	Tangent.	Diff. 100″	Cotangent.	Secant.	Diff. 100″	Cosine.	′
0	9·465935		·534065	9·485339		10·514661	·019404		9·980596	60
1	9·466348	688	·533652	9·485791	753	10·514209	·019442	63	9·980558	59
2	9·466761	688	·533239	9·486242	752	10·513758	·019481	65	9·980519	58
3	9·467173	687	·532827	9·486693	751	10·513307	·019520	65	9·980480	57
4	9·467585	686	·532415	9·487143	751	10·512857	·019558	63	9·980442	56
5	9·467996	685	·532004	9·487593	750	10·512407	·019597	65	9·980403	55
6	9·468407	685	·531593	9·488043	749	10·511957	·019636	65	9·980364	54
7	9·468817	684	·531183	9·488492	749	10·511508	·019675	65	9·980325	53
8	9·469227	683	·530773	9·488941	748	10·511059	·019714	65	9·980286	52
9	9·469637	683	·530363	9·489390	747	10·510610	·019753	65	9·980247	51
10	9·470046	682	·529954	9·489838	747	10·510162	·019792	65	9·980208	50
11	9·470455	681	·529545	9·490286	746	10·509714	·019831	65	9·980169	49
12	9·470863	680	·529137	9·490733	746	10·509267	·019870	65	9·980130	48
13	9·471271	680	·528729	9·491180	745	10·508820	·019909	65	9·980091	47
14	9·471679	679	·528321	9·491627	744	10·508373	·019948	65	9·980052	46
15	9·472086	678	·527914	9·492073	744	10·507927	·019988	67	9·980012	45
16	9·472492	678	·527508	9·492519	743	10·507481	·020027	65	9·979973	44
17	9·472898	677	·527102	9·492965	743	10·507035	·020066	65	9·979934	43
18	9·473304	676	·526696	9·493410	742	10·506590	·020105	65	9·979895	42
19	9·473710	676	·526290	9·493854	741	10·506146	·020145	67	9·979855	41
20	9·474115	675	·525885	9·494299	740	10·505701	·020184	65	9·979816	40
21	9·474519	674	·525481	9·494743	740	10·505257	·020224	67	9·979776	39
22	9·474923	674	·525077	9·495186	739	10·504814	·020263	65	9·979737	38
23	9·475327	673	·524673	9·495630	739	10·504370	·020303	67	9·979697	37
24	9·475730	672	·524270	9·496073	738	10·503927	·020342	65	9·979658	36
25	9·476133	672	·523867	9·496515	737	10·503485	·020382	67	9·979618	35
26	9·476536	671	·523464	9·496957	737	10·503043	·020421	65	9·979579	34
27	9·476938	670	·523062	9·497399	736	10·502601	·020461	67	9·979539	33
28	9·477340	669	·522660	9·497841	736	10·502159	·020501	67	9·979499	32
29	9·477741	669	·522259	9·498282	735	10·501718	·020541	67	9·979459	31
30	9·478142	668	·521858	9·498722	734	10·501278	·020580	65	9·979420	30
31	9·478542	667	·521458	9·499163	734	10·500837	·020620	67	9·979380	29
32	9·478942	667	·521058	9·499603	733	10·500397	·020660	67	9·979340	28
33	9·479342	666	·520658	9·500042	733	10·499958	·020700	67	9·979300	27
34	9·479741	665	·520259	9·500481	732	10·499519	·020740	67	9·979260	26
35	9·480140	665	·519860	9·500920	731	10·499080	·020780	67	9·979220	25
36	9·480539	664	·519461	9·501359	731	10·498641	·020820	67	9·979180	24
37	9·480937	663	·519063	9·501797	730	10·498203	·020860	67	9·979140	23
38	9·481334	663	·518666	9·502235	730	10·497765	·020900	67	9·979100	22
39	9·481731	662	·518269	9·502672	729	10·497328	·020941	68	9·979059	21
40	9·482128	661	·517872	9·503109	728	10·496891	·020981	67	9·979019	20
41	9·482525	661	·517475	9·503546	728	10·496454	·021021	67	9·978979	19
42	9·482921	660	·517079	9·503982	727	10·496018	·021061	67	9·978939	18
43	9·483316	659	·516684	9·504418	727	10·495582	·021102	68	9·978898	17
44	9·483712	659	·516288	9·504854	726	10·495146	·021142	67	9·978858	16
45	9·484107	658	·515893	9·505289	725	10·494711	·021183	68	9·978817	15
46	9·484501	657	·515499	9·505724	725	10·494276	·021223	67	9·978777	14
47	9·484895	657	·515105	9·506159	724	10·493841	·021263	67	9·978737	13
48	9·485289	656	·514711	9·506593	724	10·493407	·021304	68	9·978696	12
49	9·485682	655	·514318	9·507027	723	10·492973	·021345	68	9·978655	11
50	9·486075	655	·513925	9·507460	722	10·492540	·021385	67	9·978615	10
51	9·486467	654	·513533	9·507893	722	10·492107	·021426	68	9·978574	9
52	9·486860	653	·513140	9·508326	721	10·491674	·021467	68	9·978533	8
53	9·487251	653	·512749	9·508759	721	10·491241	·021507	67	9·978493	7
54	9·487643	652	·512357	9·509191	720	10·490809	·021548	68	9·978452	6
55	9·488034	651	·511966	9·509622	719	10·490378	·021589	68	9·978411	5
56	9·488424	651	·511576	9·510054	719	10·489946	·021630	68	9·978370	4
57	9·488814	650	·511186	9·510485	718	10·489515	·021671	68	9·978329	3
58	9·489204	650	·510796	9·510916	718	10·489084	·021712	68	9·978288	2
59	9 489593	649	·510407	9·511346	717	10·488654	·021753	68	9·978247	1
60	9·489982	648	·510018	9·511776	717	10·488224	·021794	68	9·978206	0
′	Cosine.		Secant.	Cotangent.		Tangent.	Cosecant.		Sine.	′

72 DEG.

18 DEG.

′	Sine.	Diff. 100″	Cosecant.	Tangent.	Diff. 100″	Cotangent.	Secant.	Diff. 100″	Cosine.	′
0	9·489982		·510018	9·511776		10·488224	·021794		9·978206	60
1	9·490371	648	·509629	9·512206	716	10·487794	·021835	68	9·978165	59
2	9·490759	648	·509241	9·512635	716	10·487365	·021876	68	9·978124	58
3	9·491147	647	·508853	9·513064	715	10·486936	·021917	68	9·978083	57
4	9·491535	646	·508465	9·513493	714	10·486507	·021958	69	9·978042	56
5	9·491922	646	·508078	9·513921	714	10·486079	·021999	69	9·978001	55
6	9·492308	645	·507692	9·514349	713	10·485651	·022041	69	9·977959	54
7	9·492695	644	·507305	9·514777	713	10·485223	·022082	69	9·977918	53
8	9·493081	644	·506919	9·515204	712	10·484796	·022123	69	9·977877	52
9	9·493466	643	·506534	9·515631	712	10·484369	·022165	69	9·977835	51
10	9·493851	642	·506149	9·516057	711	10·483943	·022206	69	9·977794	50
11	9·494236	642	·505764	9·516484	710	10·483516	·022248	69	9·977752	49
12	9·494621	641	·505379	9·516910	710	10·483090	·022289	69	9·977711	48
13	9·495005	641	·504995	9·517335	709	10·482665	·022331	69	9·977669	47
14	9·495388	640	·504612	9·517761	709	10·482239	·022372	69	9·977628	46
15	9·495772	639	·504228	9·518185	708	10·481815	·022414	69	9·977586	45
16	9·496154	639	·503846	9·518610	708	10·481390	·022456	69	9·977544	44
17	9·496537	638	·503463	9·519034	707	10·480966	·022497	70	9·977503	43
18	9·496919	637	·503081	9·519458	706	10·480542	·022539	70	9·977461	42
19	9·497301	637	·502699	9·519882	706	10·480118	·022581	70	9·977419	41
20	9·497682	636	·502318	9·520305	705	10·479695	·022623	70	9·977377	40
21	9·498064	636	·501936	9·520728	705	10·479272	·022665	70	9·977335	39
22	9·498444	635	·501556	9·521151	704	10·478849	·022707	70	9·977293	38
23	9·498825	634	·501175	9·521573	704	10·478427	·022749	70	9·977251	37
24	9·499204	634	·500796	9·521995	703	10·478005	·022791	70	9·977209	36
25	9·499584	633	·500416	9·522417	703	10·477583	·022833	70	9·977167	35
26	9·499963	632	·500037	9·522838	702	10·477162	·022875	70	9·977125	34
27	9·500342	632	·499658	9·523259	702	10·476741	·022917	70	9·977083	33
28	9·500721	631	·499279	9·523680	701	10·476320	·022959	70	9·977041	32
29	9·501099	631	·498901	9·524100	701	10·475900	·023001	70	9·976999	31
30	9·501476	630	·498524	9·524520	700	10·475480	·023043	70	9·976957	30
31	9·501854	629	·498146	9·524939	699	10·475061	·023086	70	9·976914	29
32	9·502231	629	·497769	9·525359	699	10·474641	·023128	70	9·976872	28
33	9·502607	628	·497393	9·525778	698	10·474222	·023170	70	9·976830	27
34	9·502984	628	·497016	9·526197	698	10·473803	·023213	71	9·976787	26
35	9·503360	627	·496640	9·526615	697	10·473385	·023255	71	9·976745	25
36	9·503735	626	·496265	9·527033	697	10·472967	·023298	71	9·976702	24
37	9·504110	626	·495890	9·527451	696	10·472549	·023340	71	9·976660	23
38	9·504485	625	·495515	9·527868	696	10·472132	·023383	71	9·976617	22
39	9·504860	625	·495140	9·528285	695	10·471715	·023426	71	9·976574	21
40	9·505234	624	·494766	9·528702	695	10·471298	·023468	71	9·976532	20
41	9·505608	623	·494392	9·529119	694	10·470881	·023511	71	9·976489	19
42	9·505981	623	·494019	9·529535	694	10·470465	·023554	71	9·976446	18
43	9·506354	622	·493646	9·529950	693	10·470050	·023596	71	9·976404	17
44	9·506727	622	·493273	9·530366	693	10·469634	·023639	71	9·976361	16
45	9·507099	621	·492901	9·530781	692	10·469219	·023682	71	9·976318	15
46	9·507471	620	·492529	9·531196	691	10·468804	·023725	71	9·976275	14
47	9·507843	620	·492157	9·531611	691	10·468389	·023768	71	9·976232	13
48	9·508214	619	·491786	9·532025	690	10·467975	·023811	72	9·976189	12
49	9·508585	619	·491415	9·532439	690	10·467561	·023854	72	9·976146	11
50	9·508956	618	·491044	9·532853	689	10·467147	·023897	72	9·976103	10
51	9·509326	618	·490674	9·533266	689	10 466734	·023940	72	9·976060	9
52	9·509696	617	·490304	9·533679	688	10·466321	·023983	72	9·976017	8
53	9·510065	616	·489935	9·534092	688	10·465908	·024026	72	9·975974	7
54	9·510434	616	·489566	9·534504	687	10·465496	·024070	72	9·975930	6
55	9·510803	615	·489197	9·534916	687	10·465084	·024113	72	9·975887	5
56	9·511172	615	·488828	9·535328	686	10·464672	·024156	72	9·975844	4
57	9·511540	614	·488460	9·535739	686	10·464261	·024200	72	9·975800	3
58	9·511907	613	·488093	9·536150	685	10·463850	·024243	72	9·975757	2
59	9·512275	613	·487725	9·536561	685	10·463439	·024286	72	9·975714	1
60	9·512642	612	·487358	9·536972	684	10·463028	·024330	72	9·975670	0
′	Cosine.		Secant.	Cotangent.		Tangent.	Cosecant.		Sine.	′

71 DEG.

19 DEG.

′	Sine.	Diff. 100″	Cosecant.	Tangent.	Diff. 100″	Cotangent.	Secant.	Diff. 100″	Cosine.	′
0	9·512642		·487358	9·536972		10·463028	·024330		9·975670	60
1	9·513009	612	·486991	9·537382	684	10·462618	·024373	72	9·975627	59
2	9·513375	611	·486625	9·537792	683	10·462208	·024417	73	9·975583	58
3	9·513741	611	·486259	9·538202	683	10·461798	·024461	73	9·975539	57
4	9·514107	610	·485893	9·538611	682	10·461389	·024504	73	9·975496	56
5	9·514472	609	·485528	9·539020	682	10·460980	·024548	73	9·975452	55
6	9·514837	609	·485163	9·539429	681	10·460571	·024592	73	9·975408	54
7	9·515202	608	·484798	9·539837	681	10·460163	·024635	73	9·975365	53
8	9·515566	608	·484434	9·540245	680	10·459755	·024679	73	9·975321	52
9	9·515930	607	·484070	9·540653	680	10·459347	·024723	73	9·975277	51
10	9·516294	607	·483706	9·541061	679	10·458939	·024767	73	9·975233	50
11	9·516657	606	·483343	9·541468	679	10·458532	·024811	73	9·975189	49
12	9·517020	605	·482980	9·541875	678	10·458125	·024855	73	9·975145	48
13	9·517382	605	·482618	9·542281	678	10·457719	·024899	73	9·975101	47
14	9·517745	604	·482255	9·542688	677	10·457312	·024943	73	9·975057	46
15	9·518107	604	·481893	9·543094	677	10·456906	·024987	73	9·975013	45
16	9·518468	603	·481532	9·543499	676	10·456501	·025031	73	9·974969	44
17	9·518829	603	·481171	9·543905	676	10·456095	·025075	74	9·974925	43
18	9·519190	602	·480810	9·544310	675	10·455690	·025120	74	9·974880	42
19	9·519551	601	·480449	9·544715	675	10·455285	·025164	74	9·974836	41
20	9·519911	601	·480089	9·545119	674	10·454881	·025208	74	9·974792	40
21	9·520271	600	·479729	9·545524	674	10·454476	·025252	74	9·974748	39
22	9·520631	600	·479369	9·545928	673	10·454072	·025297	74	9·974703	38
23	9·520990	599	·479010	9·546331	673	10·453669	·025341	74	9·974659	37
24	9·521349	599	·478651	9·546735	672	10·453265	·025386	74	9·974614	36
25	9·521707	598	·478293	9·547138	672	10·452862	·025430	74	9·974570	35
26	9·522066	598	·477934	9·547540	671	10·452460	·025475	74	9·974525	34
27	9·522424	597	·477576	9·547943	671	10·452057	·025519	74	9·974481	33
28	9·522781	596	·477219	9·548345	670	10·451655	·025564	74	9·974436	32
29	9·523138	596	·476862	9·548747	670	10·451253	·025609	74	9·974391	31
30	9·523495	595	·476505	9·549149	669	10·450851	·025653	74	9·974347	30
31	9·523852	595	·476148	9·549550	669	10·450450	·025698	75	9·974302	29
32	9·524208	594	·475792	9·549951	668	10·450049	·025743	75	9·974257	28
33	9·524564	594	·475436	9·550352	668	10·449648	·025788	75	9·974212	27
34	9·524920	593	·475080	9·550752	667	10·449248	·025833	75	9·974167	26
35	9·525275	593	·474725	9·551152	667	10·448848	·025878	75	9·974122	25
36	9·525630	592	·474370	9·551552	666	10·448448	·025923	75	9·974077	24
37	9·525984	591	·474016	9·551952	666	10·448048	·025968	75	9·974032	23
38	9·526339	591	·473661	9·552351	665	10·447649	·026013	75	9·973987	22
39	9·526693	590	·473307	9·552750	665	10·447250	·026058	75	9·973942	21
40	9·527046	590	·472954	9·553149	665	10·446851	·026103	75	9·973897	20
41	9·527400	589	·472600	9·553548	664	10·446452	·026148	75	9·973852	19
42	9·527753	589	·472247	9·553946	664	10·446054	·026193	75	9·973807	18
43	9·528105	588	·471895	9·554344	663	10·445656	·026239	75	9·973761	17
44	9·528458	588	·471542	9·554741	663	10·445259	·026284	75	9·973716	16
45	9·528810	587	·471190	9·555139	662	10·444861	·026329	76	9·973671	15
46	9·529161	587	·470839	9·555536	662	10·444464	·026375	76	9·973625	14
47	9·529513	586	·470487	9·555933	661	10·444067	·026420	76	9·973580	13
48	9·529864	586	·470136	9·556329	661	10·443671	·026465	76	9·973535	12
49	9·530215	585	·469785	9·556725	660	10·443275	·026511	76	9·973489	11
50	9·530565	585	·469435	9·557121	660	10·442879	·026556	76	9·973444	10
51	9·530915	584	·469085	9·557517	659	10·442483	·026602	76	9·973398	9
52	9·531265	584	·468735	9·557913	659	10·442087	·026648	76	9·973352	8
53	9·531614	583	·468386	9·558308	659	10·441692	·026693	76	9·973307	7
54	9·531963	582	·468037	9·558702	658	10·441298	·026739	76	9·973261	6
55	9·532312	582	·467688	9·559097	658	10·440903	·026785	76	9·973215	5
56	9·532661	581	·467339	9·559491	657	10·440509	·026831	76	9·973169	4
57	9·533009	581	·466991	9·559885	657	10·440115	·026876	76	9·973124	3
58	9·533357	580	·466643	9·560279	656	10·439721	·026922	76	9·973078	2
59	9·533704	580	·466296	9·560673	656	10·439327	·026968	76	9·973032	1
60	9·534052	579	·465948	9·561066	655	10·438934	·027014	76	9·972986	0
′	Cosine.		Secant.	Cotangent.		Tangent.	Cosecant.		Sine.	′

70 DEG.

20 DEG.

′	Sine.	Diff. 100″	Cosecant.	Tangent.	Diff. 100″	Cotangent.	Secant.	Diff. 100″	Cosine.	′
0	9·534052		·465948	9·561066		10·438934	·027014		9·972986	60
1	9·534399	578	·465601	9·561459	655	10·438541	·027060	77	9·972940	59
2	9·534745	577	·465255	9·561851	654	10·438149	·027106	77	9·972894	58
3	9·535092	577	·464908	9·562244	654	10·437756	·027152	77	9·972848	57
4	9·535438	577	·464562	9·562636	653	10·437364	·027198	77	9·972802	56
5	9·535783	576	·464217	9·563028	653	10·436972	·027245	78	9·972755	55
6	9·536129	576	·463871	9·563419	653	10·436581	·027291	77	9·972709	54
7	9·536474	575	·463526	9·563811	652	10·436189	·027337	77	9·972663	53
8	9·536818	574	·463182	9·564202	652	10·435798	·027383	77	9·972617	52
9	9·537163	574	·462837	9·564592	651	10·435408	·027430	78	9·972570	51
10	9·537507	573	·462493	9·564983	651	10·435017	·027476	77	9·972524	50
11	9·537851	573	·462149	9·565373	650	10·434627	·027522	77	9·972478	49
12	9·538194	572	·461806	9·565763	650	10·434237	·027569	78	9·972431	48
13	9·538538	572	·461462	9·566153	649	10·433847	·027615	77	9·972385	47
14	9·538880	571	·461120	9·566542	649	10·433458	·027662	78	9·972338	46
15	9·539223	571	·460777	9·566932	649	10·433068	·027709	78	9·972291	45
16	9·539565	570	·460435	9·567320	648	10·432680	·027755	77	9·972245	44
17	9·539907	570	·460093	9·567709	648	10·432291	·027802	78	9·972198	43
18	9·540249	569	·459751	9·568098	647	10·431902	·027849	78	9·972151	42
19	9·540590	569	·459410	9·568486	647	10·431514	·027895	77	9·972105	41
20	9·540931	568	·459069	9·568873	646	10·431127	·027942	78	9·972058	40
21	9·541272	568	·458728	9·569261	646	10·430739	·027989	78	9·972011	39
22	9·541613	567	·458387	9·569648	645	10·430352	·028036	78	9·971964	38
23	9·541953	567	·458047	9·570035	645	10·429965	·028083	78	9·971917	37
24	9·542293	566	·457707	9·570422	645	10·429578	·028130	78	9·971870	36
25	9·542632	566	·457368	9·570809	644	10·429191	·028177	78	9·971823	35
26	9·542971	565	·457029	9·571195	644	10·428805	·028224	78	9·971776	34
27	9·543310	565	·456690	9·571581	643	10·428419	·028271	78	9·971729	33
28	9·543649	564	·456351	9·571967	643	10·428033	·028318	78	9·971682	32
29	9·543987	564	·456013	9·572352	642	10·427648	·028365	78	9·971635	31
30	9·544325	563	·455675	9·572738	642	10·427262	·028412	78	9·971588	30
31	9·544663	563	·455337	9·573123	642	10·426877	·028460	80	9·971540	29
32	9·545000	562	·455000	9·573507	641	10·426493	·028507	78	9·971493	28
33	9·545338	562	·454662	9·573892	641	10·426108	·028554	78	9·971446	27
34	9·545674	561	·454326	9·574276	640	10·425724	·028602	80	9·971398	26
35	9·546011	561	·453989	9·574660	640	10·425340	·028649	78	9·971351	25
36	9·546347	560	·453653	9·575044	639	10·424956	·028697	80	9·971303	24
37	9·546683	560	·453317	9·575427	639	10·424573	·028744	78	9·971256	23
38	9·547019	559	·452981	9·575810	639	10·424190	·028792	80	9·971208	22
39	9·547354	559	·452646	9·576193	638	10·423807	·028839	78	9·971161	21
40	9·547689	558	·452311	9·576576	638	10·423424	·028887	80	9·971113	20
41	9·548024	558	·451976	9·576958	637	10·423042	·028934	78	9·971066	19
42	9·548359	557	·451641	9·577341	637	10·422659	·028982	80	9·971018	18
43	9·548693	557	·451307	9·577723	636	10·422277	·029030	80	9·970970	17
44	9·549027	556	·450973	9·578104	636	10·421896	·029078	80	9·970922	16
45	9·549360	556	·450640	9·578486	636	10·421514	·029126	80	9·970874	15
46	9·549693	555	·450307	9·578867	635	10·421133	·029173	78	9·970827	14
47	9·550026	555	·449974	9·579248	635	10·420752	·029221	80	9·970779	13
48	9·550359	554	·449641	9·579629	634	10·420371	·029269	80	9·970731	12
49	9·550692	554	·449308	9·580009	634	10·419991	·029317	80	9·970683	11
50	9·551024	553	·448976	9·580389	634	10·419611	·029365	80	9·970635	10
51	9·551356	553	·448644	9·580769	633	10·419231	·029414	82	9·970586	9
52	9·551687	552	·448313	9·581149	633	10·418851	·029462	80	9·970538	8
53	9·552018	552	·447982	9·581528	632	10·418472	·029510	80	9·970490	7
54	9·552349	552	·447651	9·581907	632	10·418093	·029558	80	9·970442	6
55	9·552680	551	·447320	9·582286	632	10·417714	·029606	80	9·970394	5
56	9·553010	551	·446990	9·582665	631	10·417335	·029655	82	9·970345	4
57	9·553341	550	·446659	9·583043	631	10·416957	·029703	80	9·970297	3
58	9·553670	550	·446330	9·583422	630	10·416578	·029751	80	9·970249	2
59	9·554000	549	·446000	9·583800	630	10·416200	·029800	82	9·970200	1
60	9·554329	549	·445671	9·584177	629	10·415823	·029848	80	9·970152	0
′	Cosine.		Secant.	Cotangent.		Tangent.	Cosecant.		Sine.	′

69 DEG.

21 DEG.

′	Sine.	Diff. 100″	Cosecant.	Tangent.	Diff. 100″	Cotangent.	Secant.	Diff. 100″	Cosine.	′
0	9·554329		·445671	9·584177		10·415823	·029848		9·970152	60
1	9·554658	548	·445342	9·584555	629	10·415445	·029897	81	9·970103	59
2	9·554987	548	·445013	9·584932	629	10·415068	·029945	81	9·970055	58
3	9·555315	547	·444685	9·585309	628	10·414691	·029994	81	9·970006	57
4	9·555643	547	·444357	9·585686	628	10·414314	·030043	81	9·969957	56
5	9·555971	546	·444029	9·586062	627	10·413938	·030091	81	9·969909	55
6	9·556299	546	·443701	9·586439	627	10·413561	·030140	81	9·969860	54
7	9·556626	545	·443374	9·586815	627	10·413185	·030189	81	9·969811	53
8	9·556953	545	·443047	9·587190	626	10·412810	·030238	81	9·969762	52
9	9·557280	544	·442720	9·587566	626	10·412434	·030286	81	9·969714	51
10	9·557606	544	·442394	9·587941	625	10·412059	·030335	81	9·969665	50
11	9·557932	543	·442068	9·588316	625	10·411684	·030384	81	9·969616	49
12	9·558258	543	·441742	9·588691	625	10·411309	·030433	82	9·969567	48
13	9·558583	543	·441417	9·589066	624	10·410934	·030482	82	9·969518	47
14	9·558909	542	·441091	9·589440	624	10·410560	·030531	82	9·969469	46
15	9·559234	542	·440766	9·589814	623	10·410186	·030580	82	9·969420	45
16	9·559558	541	·440442	9·590188	623	10·409812	·030630	82	9·969370	44
17	9·559883	541	·440117	9·590562	623	10·409438	·030679	82	9·969321	43
18	9·560207	540	·439793	9·590935	622	10·409065	·030728	82	9·969272	42
19	9·560531	540	·439469	9·591308	622	10·408692	·030777	82	9·969223	41
20	9·560855	539	·439145	9·591681	622	10·408319	·030827	82	9·969173	40
21	9·561178	539	·438822	9·592054	621	10·407946	·030876	82	9·969124	39
22	9·561501	538	·438499	9·592426	621	10·407574	·030925	82	9·969075	38
23	9·561824	538	·438176	9·592798	620	10·407202	·030975	82	9·969025	37
24	9·562146	537	·437854	9·593171	620	10·406829	·031024	82	9·968976	36
25	9·562468	537	·437532	9·593542	620	10·406458	·031074	82	9·968926	35
26	9·562790	536	·437210	9·593914	619	10·406086	·031123	83	9·968877	34
27	9·563112	536	·436888	9·594285	619	10·405715	·031173	83	9·968827	33
28	9·563433	536	·436567	9·594656	618	10·405344	·031223	83	9·968777	32
29	9·563755	535	·436245	9·595027	618	10·404973	·031272	83	9·968728	31
30	9·564075	535	·435925	9·595398	618	10·404602	·031322	83	9·968678	30
31	9·564396	534	·435604	9·595768	617	10·404232	·031372	83	9·968628	29
32	9·564716	534	·435284	9·596138	617	10·403862	·031422	83	9·968578	28
33	9·565036	533	·434964	9·596508	616	10·403492	·031472	83	9·968528	27
34	9·565356	533	·434644	9·596878	616	10·403122	·031521	83	9·968479	26
35	9·565676	532	·434324	9·597247	616	10·402753	·031571	83	9·968429	25
36	9·565995	532	·434005	9·597616	615	10·402384	·031621	83	9·968379	24
37	9·566314	531	·433686	9·597985	615	10·402015	·031671	83	9·968329	23
38	9·566632	531	·433368	9·598354	615	10·401646	·031722	83	9·968278	22
39	9·566951	531	·433049	9·598722	614	10·401278	·031772	83	9·968228	21
40	9·567269	530	·432731	9·599091	614	10·400909	·031822	84	9·968178	20
41	9·567587	530	·432413	9·599459	613	10·400541	·031872	84	9·968128	19
42	9·567904	529	·432096	9·599827	613	10·400173	·031922	84	9·968078	18
43	9·568222	529	·431778	9·600194	613	10·399806	·031973	84	9·968027	17
44	9·568539	528	·431461	9·600562	612	10·399438	·032023	84	9·967977	16
45	9·568856	528	·431144	9·600929	612	10·399071	·032073	84	9·967927	15
46	9·569172	528	·430828	9·601296	611	10·398704	·032124	84	9·967876	14
47	9·569488	527	·430512	9·601662	611	10·398338	·032174	84	9·967826	13
48	9·569804	527	·430196	9·602029	611	10·397971	·032225	84	9·967775	12
49	9·570120	526	·429880	9·602395	610	10·397605	·032275	84	9·967725	11
50	9·570435	526	·429565	9·602761	610	10·397239	·032326	84	9·967674	10
51	9·570751	525	·429249	9·603127	610	10·396873	·032376	84	9·967624	9
52	9·571066	525	·428934	9·603493	609	10·396507	·032427	84	9·967573	8
53	9·571380	524	·428620	9·603858	609	10·396142	·032478	84	9·967522	7
54	9·571695	524	·428305	9·604223	609	10·395777	·032529	85	9·967471	6
55	9·572009	523	·427991	9·604588	608	10·395412	·032579	85	9·967421	5
56	9·572323	523	·427677	9·604953	608	10·395047	·032630	85	9·967370	4
57	9·572636	523	·427364	9·605317	607	10·394683	·032681	85	9·967319	3
58	9·572950	522	·427050	9·605682	607	10·394318	·032732	85	9·967268	2
59	9·573263	522	·426737	9·606046	607	10·393954	·032783	85	9·967217	1
60	9·573575	521	·426425	9·606410	606	10·393590	·032834	85	9·967166	0
′	Cosine.		Secant.	Cotangent.		Tangent.	Cosecant.		Sine.	′

68 DEG.

22 DEG.

′	Sine.	Diff. 100″	Cosecant.	Tangent.	Diff. 100″	Cotangent.	Secant.	Diff. 100″	Cosine.	′
0	9·573575		·426425	9·606410		10·393590	·032834		9·967166	60
1	9·573888	521	·426112	9·606773	606	10·393227	·032885	85	9·967115	59
2	9·574200	520	·425800	9·607137	606	10·392863	·032936	85	9·967064	58
3	9·574512	520	·425488	9·607500	605	10·392500	·032987	85	9·967013	57
4	9·574824	519	·425176	9·607863	605	10·392137	·033039	85	9·966961	56
5	9·575136	519	·424864	9·608225	604	10·391775	·033090	85	9·966910	55
6	9·575447	519	·424553	9·608588	604	10·391412	·033141	85	9·966859	54
7	9·575758	518	·424242	9·608950	604	10·391050	·033192	85	9·966808	53
8	9·576069	518	·423931	9·609312	603	10·390688	·033244	85	9·966756	52
9	9·576379	517	·423621	9·609674	603	10·390326	·033295	86	9·966705	51
10	9·576689	517	·423311	9·610036	603	10·389964	·033347	86	9·966653	50
11	9·576999	516	·423001	9·610397	602	10·389603	·033398	86	9·966602	49
12	9·577309	516	·422691	9·610759	602	10·389211	·033450	86	9·966550	48
13	9·577618	516	·422382	9·611120	602	10·388880	·033501	86	9·966499	47
14	9·577927	515	·422073	9·611480	601	10·388520	·033553	86	9·966447	46
15	9·578236	515	·421764	9·611841	601	10·388159	·033605	86	9·966395	45
16	9·578545	514	·421455	9·612201	601	10·387799	·033656	86	9·966344	44
17	9·578853	514	·421147	9·612561	600	10·387439	·033708	86	9·966292	43
18	9·579162	513	·420838	9·612921	600	10·387079	·033760	86	9·966240	42
19	9·579470	513	·420530	9·613281	600	10·386719	·033812	86	9·966188	41
20	9·579777	513	·420223	9·613641	599	10·386359	·033864	86	9·966136	40
21	9·580085	512	·419915	9·614000	599	10·386000	·033915	86	9·966085	39
22	9·580392	512	·419608	9·614359	598	10·385641	·033967	87	9·966033	38
23	9·580699	511	·419301	9·614718	598	10·385282	·034019	87	9·965981	37
24	9·581005	511	·418995	9·615077	598	10·384923	·034071	87	9·965929	36
25	9·581312	511	·418688	9·615435	597	10·384565	·034124	87	9·965876	35
26	9·581618	510	·418382	9·615793	597	10·384207	·034176	87	9·965824	34
27	9·581924	510	·418076	9·616151	597	10·383849	·034228	87	9·965772	33
28	9·582229	509	·417771	9·616509	596	10·383491	·034280	87	9·965720	32
29	9·582535	509	·417465	9·616867	596	10·383133	·034332	87	9·965668	31
30	9·582840	509	·417160	9·617224	596	10·382776	·034385	87	9·965615	30
31	9·583145	508	·416855	9·617582	595	10·382418	·034437	87	9·965563	29
32	9·583449	508	·416551	9·617939	595	10·382061	·034489	87	9·965511	28
33	9·583754	507	·416246	9·618295	595	10·381705	·034542	87	9·965458	27
34	9·584058	507	·415942	9·618652	594	10·381348	·034594	87	9·965406	26
35	9·584361	506	·415639	9·619008	594	10·380992	·034647	87	9·965353	25
36	9·584665	506	·415335	9·619364	594	10·380636	·034699	88	9·965301	24
37	9·584968	506	·415032	9·619721	593	10·380279	·034752	88	9·965248	23
38	9·585272	505	·414728	9·620076	593	10·379924	·034805	88	9·965195	22
39	9·585574	505	·414426	9·620432	593	10·379568	·034857	88	9·965143	21
40	9·585877	504	·414123	9·620787	592	10·379213	·034910	88	9·965090	20
41	9·586179	504	·413821	9·621142	592	10·378858	·034963	88	9·965037	19
42	9·586482	503	·413518	9·621497	592	10·378503	·035016	88	9·964984	18
43	9·586783	503	·413217	9·621852	591	10·378148	·035069	88	9·964931	17
44	9·587085	503	·412915	9·622207	591	10·377793	·035121	88	9·964879	16
45	9·587386	502	·412614	9·622561	590	10·377439	·035174	88	9·964826	15
46	9·587688	502	·412312	9·622915	590	10·377085	·035227	88	9·964773	14
47	9·587989	501	·412011	9·623269	590	10·376731	·035280	88	9·964720	13
48	9·588289	501	·411711	9·623623	589	10·376377	·035334	88	9·964666	12
49	9·588590	501	·411410	9·623976	589	10·376024	·035387	89	9·964613	11
50	9·588890	500	·411110	9·624330	589	10·375670	·035440	89	9·964560	10
51	9·589190	500	·410810	9·624683	588	10·375317	·035493	89	9·964507	9
52	9·589489	499	·410511	9·625036	588	10·374964	·035546	89	9·964454	8
53	9·589789	499	·410211	9·625388	588	10·374612	·035600	89	9·964400	7
54	9·590088	499	·409912	9·625741	587	10·374259	·035653	89	9·964347	6
55	9·590387	498	·409613	9·626093	587	10·373907	·035706	89	9·964294	5
56	9·590686	498	·409314	9·626445	587	10·373555	·035760	89	9·964240	4
57	9·590984	497	·409016	9·626797	586	10·373203	·035813	89	9·964187	3
58	9·591282	497	·408718	9·627149	586	10·372851	·035867	89	9·964133	2
59	9·591580	497	·408420	9·627501	586	10·372499	·035920	89	9·964080	1
60	9·591878	496	·408122	9·627852	585	10·372148	·035974	89	9·964026	0
′	Cosine.		Secant.	Cotangent.		Tangent.	Cosecant.		Sine.	′

67 DEG.

23 DEG.

′	Sine.	Diff. 100″	Cosecant.	Tangent.	Diff. 100″	Cotangent.	Secant.	Diff. 100″	Cosine.	′
0	9·591878		·408122	9·627852		10·372148	·035974		9·964026	60
1	9·592176	496	·407824	9·628203	585	10·371797	·036028	89	9·963972	59
2	9·592473	495	·407527	9·628554	585	10·371446	·036081	89	9·963919	58
3	9·592770	495	·407230	9·628905	585	10·371095	·036135	89	9·963865	57
4	9·593067	495	·406933	9·629255	584	10·370745	·036189	90	9·963811	56
5	9·593363	494	·406637	9·629606	584	10·370394	·036243	90	9·963757	55
6	9·593659	494	·406341	9·629956	583	10·370044	·036296	90	9·963704	54
7	9·593955	493	·406045	9·630306	583	10·369694	·036350	90	9·963650	53
8	9·594251	493	·405749	9·630656	583	10·369344	·036404	90	9·963596	52
9	9·594547	493	·405453	9·631005	583	10·368995	·036458	90	9·963542	51
10	9·594842	492	·405158	9·631355	582	10·368645	·036512	90	9·963488	50
11	9·595137	492	·404863	9·631704	582	10·368296	·036566	90	9·963434	49
12	9·595432	491	·404568	9·632053	582	10·367947	·036621	90	9·963379	48
13	9·595727	491	·404273	9·632401	581	10·367599	·036675	90	9·963325	47
14	9·596021	491	·403979	9·632750	581	10·367250	·036729	90	9·963271	46
15	9·596315	490	·403685	9·633098	581	10·366902	·036783	90	9·963217	45
16	9·596609	490	·403391	9·633447	580	10·366553	·036837	90	9·963163	44
17	9·596903	489	·403097	9·633795	580	10·366205	·036892	90	9·963108	43
18	9·597196	489	·402804	9·634143	580	10·365857	·036946	91	9·963054	42
19	9·597490	489	·402510	9·634490	579	10·365510	·037001	91	9·962999	41
20	9·597783	488	·402217	9·634838	579	10·365162	·037055	91	9·962945	40
21	9·598075	488	·401925	9·635185	579	10·364815	·037110	91	9·962890	39
22	9·598368	487	·401632	9·635532	578	10·364468	·037164	91	9·962836	38
23	9·598660	487	·401340	9·635879	578	10·364121	·037219	91	9·962781	37
24	9·598952	487	·401048	9·636226	578	10·363774	·037273	91	9·962727	36
25	9·599244	486	·400756	9·636572	577	10·363428	·037328	91	9·962672	35
26	9·599536	486	·400464	9·636919	577	10·363081	·037383	91	9·962617	34
27	9·599827	485	·400173	9·637265	577	10·362735	·037438	91	9·962562	33
28	9·600118	485	·399882	9·637611	577	10·362389	·037492	91	9·962508	32
29	9·600409	485	·399591	9·637956	576	10·362044	·037547	91	9·962453	31
30	9·600700	484	·399300	9·638302	576	10·361698	·037602	91	9·962398	30
31	9·600990	484	·399010	9·638647	576	10·361353	·037657	92	9·962343	29
32	9·601280	484	·398720	9·638992	575	10·361008	·037712	92	9·962288	28
33	9·601570	483	·398430	9·639337	575	10·360663	·037767	92	9·962233	27
34	9·601860	483	·398140	9·639682	575	10·360318	·037822	92	9·962178	26
35	9·602150	482	·397850	9·640027	574	10·359973	·037877	92	9·962123	25
36	9·602439	482	·397561	9·640371	574	10·359629	·037933	92	9·962067	24
37	9·602728	482	·397272	9·640716	574	10·359284	·037988	92	9·962012	23
38	9·603017	481	·396983	9·641060	573	10·358940	·038043	92	9·961957	22
39	9·603305	481	·396695	9·641404	573	10·358596	·038098	92	9·961902	21
40	9·603594	481	·396406	9·641747	573	10·358253	·038154	92	9·961846	20
41	9·603882	480	·396118	9·642091	572	10·357909	·038209	92	9·961791	19
42	9·604170	480	·395830	9·642434	572	10·357566	·038265	92	9·961735	18
43	9·604457	479	·395543	9·642777	572	10·357223	·038320	92	9·961680	17
44	9·604745	479	·395255	9·643120	572	10·356880	·038376	92	9·961624	16
45	9·605032	479	·394968	9·643463	571	10·356537	·038431	93	9·961569	15
46	9·605319	478	·394681	9·643806	571	10·356194	·038487	93	9·961513	14
47	9·605606	478	·394394	9·644148	571	10·355852	·038542	93	9·961458	13
48	9·605892	478	·394108	9·644490	570	10·355510	·038598	93	9·961402	12
49	9·606179	477	·393821	9·644832	570	10·355168	·038654	93	9·961346	11
50	9·606465	477	·393535	9·645174	570	10·354826	·038710	93	9·961290	10
51	9·606751	476	·393249	9·645516	570	10·354484	·038765	93	9·961235	9
52	9·607036	476	·392964	9·645857	569	10·354143	·038821	93	9·961179	8
53	9·607322	476	·392678	9·646199	569	10·353801	·038877	93	9·961123	7
54	9·607607	475	·392393	9·646540	569	10·353460	·038933	93	9·961067	6
55	9·607892	475	·392108	9·646881	568	10·353119	·038989	93	9·961011	5
56	9·608177	474	·391823	9·647222	568	10·352778	·039045	93	9·960955	4
57	9·608461	474	·391539	9·647562	568	10·352438	·039101	93	9·960899	3
58	9·608745	474	·391255	9·647903	567	10·352097	·039157	93	9·960843	2
59	9·609029	473	·390971	9·648243	567	10·351757	·039214	94	9·960786	1
60	9·609313	473	·390687	9·648583	567	10·351417	·039270	94	9·960730	0
′	Cosine.		Secant.	Cotangent.		Tangent.	Cosecant.		Sine.	′

24 DEG.

′	Sine.	Diff. 100″	Cosecant.	Tangent.	Diff. 100″	Cotangent.	Secant.	Diff 100″	Cosine.	′
0	9·609313		·390687	9·648583		10·351417	·039270		9·960730	60
1	9·609597	473	·390403	9·648923	566	10·351077	·039326	94	9·960674	59
2	9·609880	472	·390120	9·649263	566	10·350737	·039382	94	9·960618	58
3	9·610164	472	·389836	9·649602	566	10·350398	·039439	94	9·960561	57
4	9·610447	472	·389553	9·649942	566	10·350058	·039495	94	9·960505	56
5	9·610729	471	·389271	9·650281	565	10·349719	·039552	94	9·960448	55
6	9·611012	471	·388988	9·650620	565	10·349380	·039608	94	9·960392	54
7	9·611294	470	·388706	9·650959	565	10·349041	·039665	94	9·960335	53
8	9·611576	470	·388424	9·651297	564	10·348703	·039721	94	9·960279	52
9	9·611858	470	·388142	9·651636	564	10·348364	·039778	94	9·960222	51
10	9·612140	469	·387860	9·651974	564	10·348026	·039835	94	9·960165	50
11	9·612421	469	·387579	9·652312	563	10·347688	·039891	94	9·960109	49
12	9·612702	469	·387298	9·652650	563	10·347350	·039948	95	9·960052	48
13	9·612983	468	·387017	9·652988	563	10·347012	·040005	95	9·959995	47
14	9·613264	468	·386736	9·653326	563	10·346674	·040062	95	9·959938	46
15	9·613545	467	·386455	9·653663	562	10·346337	·040118	95	9·959882	45
16	9·613825	467	·386175	9·654000	562	10·346000	·040175	95	9·959825	44
17	9·614105	467	·385895	9·654337	562	10·345663	·040232	95	9·959768	43
18	9·614385	466	·385615	9·654674	561	10·345326	·040289	95	9·959711	42
19	9·614665	466	·385335	9·655011	561	10·344989	·040346	95	9·959654	41
20	9·614944	466	·385056	9·655348	561	10·344652	·040404	95	9·959596	40
21	9·615223	465	·384777	9·655684	561	10·344316	·040461	95	9·959539	39
22	9·615502	465	·384498	9·656020	560	10·343980	·040518	95	9·959482	38
23	9·615781	465	·384219	9·656356	560	10·343644	·040575	95	9·959425	37
24	9·616060	464	·383940	9·656692	560	10·343308	·040632	95	9·959368	36
25	9·616338	464	·383662	9·657028	559	10·342972	·040690	95	9·959310	35
26	9·616616	464	·383384	9·657364	559	10·342636	·040747	96	9·959253	34
27	9·616894	463	·383106	9·657699	559	10·342301	·040805	96	9·959195	33
28	9·617172	463	·382828	9·658034	559	10·341966	·040862	96	9·959138	32
29	9·617450	462	·382550	9·658369	558	10·341631	·040919	96	9·959080	31
30	9·617727	462	·382273	9·658704	558	10·341296	·040977	96	9·959023	30
31	9·618004	462	·381996	9·659039	558	10·340961	·041035	96	9·958965	29
32	9·618281	461	·381719	9·659373	558	10·340627	·041092	96	9·958908	28
33	9·618558	461	·381442	9·659708	557	10·340292	·041150	96	9·958850	27
34	9·618834	461	·381166	9·660042	557	10·339958	·041208	96	9·958792	26
35	9·619110	460	·380890	9·660376	557	10·339624	·041266	96	9·958734	25
36	9·619386	460	·380614	9·660710	556	10·339290	·041323	96	9·958677	24
37	9·619662	460	·380338	9·661043	556	10·338957	·041381	96	9·958619	23
38	9·619938	459	·380062	9·661377	556	10·338623	·041439	96	9·958561	22
39	9·620213	459	·379787	9·661710	556	10·338290	·041497	96	9·958503	21
40	9·620488	459	·379512	9·662043	555	10·337957	·041555	97	9·958445	20
41	9·620763	458	·379237	9·662376	555	10·337624	·041613	97	9·958387	19
42	9·621038	458	·378962	9·662709	555	10·337291	·041671	97	9·958329	18
43	9·621313	457	·378687	9·663042	554	10·336958	·041729	97	9·958271	17
44	9·621587	457	·378413	9·663375	554	10·336625	·041787	97	9·958213	16
45	9·621861	457	·378139	9·663707	554	10·336293	·041846	97	9·958154	15
46	9·622135	456	·377865	9·664039	554	10·335961	·041904	97	9·958096	14
47	9·622409	456	·377591	9·664371	553	10·335629	·041962	97	9·958038	13
48	9·622682	456	·377318	9·664703	553	10·335297	·042021	97	9·957979	12
49	9·622956	455	·377044	9·665035	553	10·334965	·042079	97	9·957921	11
50	9·623229	455	·376771	9·665366	553	10·334634	·042137	97	9·957863	10
51	9·623502	455	·376498	9·665697	552	10·334303	·042196	97	9·957804	9
52	9·623774	454	·376226	9·666029	552	10·333971	·042254	97	9·957746	8
53	9·624047	454	·375953	9·666360	552	10·333640	·042313	98	9·957687	7
54	9·624319	454	·375681	9·666691	551	10·333309	·042372	98	9·957628	6
55	9·624591	453	·375409	9·667021	551	10·332979	·042430	98	9·957570	5
56	9·624863	453	·375137	9·667352	551	10·332648	·042489	98	9·957511	4
57	9·625135	453	·374865	9·667682	551	10·332318	·042548	98	9·957452	3
58	9·625406	452	·374594	9·668013	550	10·331987	·042607	98	9·957393	2
59	9·625677	452	·374323	9·668343	550	10·331657	·042665	98	9·957335	1
60	9·625948	452	·374052	9·668672	550	10·331328	·042724	98	9·957276	0
′	Cosine.		Secant.	Cotangent.		Tangent.	Cosecant.		Sine.	′

65 DEG.

25 DEG.

′	Sine.	Diff. 100″	Cosecant.	Tangent.	Diff. 100″	Cotangent.	Secant.	Diff. 100″	Cosine.	′
0	9·625948		·374052	9·668673		10·331327	·042724		9·957276	60
1	9·626219	451	·373781	9·669002	550	10·330998	·042783	98	9·957217	59
2	9·626490	451	·373510	9·669332	549	10·330668	·042842	98	9·957158	58
3	9·626760	451	·373240	9·669661	549	10·330339	·042901	98	9·957099	57
4	9·627030	450	·372970	9·669991	549	10·330009	·042960	98	9·957040	56
5	9·627300	450	·372700	9·670320	548	10·329680	·043019	98	9·956981	55
6	9·627570	450	·372430	9·670649	548	10·329351	·043079	98	9·956921	54
7	9·627840	449	·372160	9·670977	548	10·329023	·043138	99	9·956862	53
8	9·628109	449	·371891	9·671306	548	10·328694	·043197	99	9·956803	52
9	9·628348	449	·371622	9·671634	547	10·328366	·043256	99	9·956744	51
10	9·628647	448	·371353	9·671963	547	10·328037	·043316	99	9·956684	50
11	9·628916	448	·371084	9·672291	547	10·327709	·043375	99	9·956625	49
12	9·629185	447	·370815	9·672619	547	10·327381	·043434	99	9·956566	48
13	9·629453	447	·370547	9·672947	546	10·327053	·043494	99	9·956506	47
14	9·629721	447	·370279	9·673274	546	10·326726	·043553	99	9·956447	46
15	9·629989	446	·370011	9·673602	546	10·326398	·043613	99	9·956387	45
16	9·630257	446	·369743	9·673929	546	10·326071	·043673	99	9·956327	44
17	9·630524	446	·369476	9·674257	545	10·325743	·043732	99	9·956268	43
18	9·630792	446	·369208	9·674584	545	10·325416	·043792	99	9·956208	42
19	9·631059	445	·368941	9·674910	545	10·325090	·043852	100	9·956148	41
20	9·631326	445	·368674	9·675237	544	10·324763	·043911	100	9·956089	40
21	9·631593	445	·368407	9·675564	544	10·324436	·043971	100	9·956029	39
22	9·631859	444	·368141	9·675890	544	10·324110	·044031	100	9·955969	38
23	9·632125	444	·367875	9·676217	544	10·323783	·044091	100	9·955909	37
24	9·632392	444	·367608	9·676543	543	10·323457	·044151	100	9·955849	36
25	9·632658	443	·367342	9·676869	543	10·323131	·044211	100	9·955789	35
26	9·632923	443	·367077	9·677194	543	10·322806	·044271	100	9·955729	34
27	9·633189	443	·366811	9·677520	543	10·322480	·044331	100	9·955669	33
28	9·633454	442	·366546	9·677846	542	10·322154	·044391	100	9·955609	32
29	9·633719	442	·366281	9·678170	542	10·321829	·044452	100	9·955548	31
30	9·633984	442	·366016	9·678496	542	10·321504	·044512	100	9·955488	30
31	9·634249	441	·365751	9·678821	542	10·321179	·044572	100	9·955428	29
32	9·634514	441	·365486	9·679146	541	10·320854	·044632	101	9·955368	28
33	9·634778	440	·365222	9·679471	541	10·320529	·044693	101	9·955307	27
34	9·635042	440	·364958	9·679795	541	10·320205	·044753	101	9·955247	26
35	9·635306	440	·364694	9·680120	541	10·319880	·044814	101	9·955186	25
36	9·635570	439	·364430	9·680444	540	10·319556	·044874	101	9·955126	24
37	9·635834	439	·364166	9·680768	540	10·319232	·044935	101	9·955065	23
38	9·636097	439	·363903	9·681092	540	10·318908	·044995	101	9·955005	22
39	9·636360	438	·363640	9·681416	540	10·318584	·045056	101	9·954944	21
40	9·636623	438	·363377	9·681740	539	10·318260	·045117	101	9·954883	20
41	9·636886	438	·363114	9·682063	539	10·317937	·045177	101	9·954823	19
42	9·637148	437	·362852	9·682387	539	10·317613	·045238	101	9·954762	18
43	9·637411	437	·362589	9·682710	539	10·317290	·045299	101	9·954701	17
44	9·637673	437	·362327	9·683033	538	10·316967	·045360	101	9·954640	16
45	9·637935	437	·362065	9·683356	538	10·316644	·045421	101	9·954579	15
46	9·638197	436	·361803	9·683679	538	10·316321	·045482	101	9·954518	14
47	9·638458	436	·361542	9·684001	538	10·315999	·045543	102	9·954457	13
48	9·638720	436	·361280	9·684324	537	10·315676	·045604	102	9·954396	12
49	9·638981	435	·361019	9·684646	537	10·315354	·045665	102	9·954335	11
50	9·639242	435	·360758	9·684968	537	10·315032	·045726	102	9·954274	10
51	9·639503	435	·360497	9·685290	537	10·314710	·045787	102	9·954213	9
52	9·639764	434	·360236	9·685612	536	10·314388	·045848	102	9·954152	8
53	9·640024	434	·359976	9·685934	536	10·314066	·045910	102	9·954090	7
54	9·640284	434	·359716	9·686255	536	10·313745	·045971	102	9·954029	6
55	9·640544	433	·359456	9·686577	536	10·313423	·046032	102	9·953968	5
56	9·640804	433	·359196	9·686898	535	10·313102	·046094	102	9·953906	4
57	9·641064	433	·358936	9·687219	535	10·312781	·046155	102	9·953845	3
58	9·641324	432	·358676	9·687540	535	10·312460	·046217	102	9·953783	2
59	9·641583	432	·358417	9·687861	535	10·312139	·046278	102	9·953722	1
60	9·641842	432	·358158	9·688182	534	10·311818	·046340	103	9·953660	0
′	Cosine.		Secant.	Cotangent.		Tangent.	Cosecant.		Sine.	′

64 DEG.

26 DEG.

′	Sine.	Diff. 100″	Cosecant.	Tangent.	Diff. 100″	Cotangent.	Secant.	Diff. 100″	Cosine.	′
0	9·641842		·358158	9·688182		10·311818	·046340		9·953660	60
1	9·642101	431	·357899	9·688502	534	10·311498	·046401	103	9·953599	59
2	9·642360	431	·357640	9·688823	534	10·311177	·046463	103	9·953537	58
3	9·642618	431	·357382	9·689143	534	10·310857	·046525	103	9·953475	57
4	9·642877	430	·357123	9·689463	533	10·310537	·046587	103	9·953413	56
5	9·643135	430	·356865	9·689783	533	10·310217	·046648	103	9·953352	55
6	9·643393	430	·356607	9·690103	533	10·309897	·046710	103	9·953290	54
7	9·643650	430	·356350	9·690423	533	10·309577	·046772	103	9·953228	53
8	9·643908	429	·356092	9·690742	533	10·309258	·046834	103	9·953166	52
9	9·644165	429	·355835	9·691062	532	10·308938	·046896	103	9·953104	51
10	9·644423	429	·355577	9·691381	532	10·308619	·046958	103	9·953042	50
11	9·644680	428	·355320	9·691700	532	10·308300	·047020	103	9·952980	49
12	9·644936	428	·355064	9·692019	531	10·307981	·047082	104	9·952918	48
13	9·645193	428	·354807	9·692338	531	10·307662	·047145	104	9·952855	47
14	9·645450	427	·354550	9·692656	531	10·307344	·047207	104	9·952793	46
15	9·645706	427	·354294	9·692975	531	10·307025	·047269	104	9·952731	45
16	9·645962	427	·354038	9·693293	531	10·306707	·047331	104	9·952669	44
17	9·646218	426	·353782	9·693612	530	10·306388	·047394	104	9·952606	43
18	9·646474	426	·353526	9·693930	530	10·306070	·047456	104	9·952544	42
19	9·646729	426	·353271	9·694248	530	10·305752	·047519	104	9·952481	41
20	9·646984	425	·353016	9·694566	530	10·305434	·047581	104	9·952419	40
21	9·647240	425	·352760	9·694883	529	10·305117	·047644	104	9·952356	39
22	9·647494	425	·352506	9·695201	529	10·304799	·047706	104	9·952294	38
23	9·647749	424	·352251	9·695518	529	10·304482	·047769	104	9·952231	37
24	9·648004	424	·351996	9·695836	529	10·304164	·047832	104	9·952168	36
25	9·648258	424	·351742	9·696153	529	10·303847	·047894	105	9·952106	35
26	9·648512	424	·351488	9·696470	528	10·303530	·047957	105	9·952043	34
27	9·648766	423	·351234	9·696787	528	10·303213	·048020	105	9·951980	33
28	9·649020	423	·350980	9·697103	528	10·302897	·048083	105	9·951917	32
29	9·649274	423	·350726	9·697420	528	10·302580	·048146	105	9·951854	31
30	9·649527	422	·350473	9·697736	527	10·302264	·048209	105	9·951791	30
31	9·649781	422	·350219	9·698053	527	10·301947	·048272	105	9·951728	29
32	9·650034	422	·349966	9·698369	527	10·301631	·048335	105	9·951665	28
33	9·650287	422	·349713	9·698685	527	10·301315	·048398	105	9·951602	27
34	9·650539	421	·349461	9·699001	526	10·300999	·048461	105	9·951539	26
35	9·650792	421	·349208	9·699316	526	10·300684	·048524	105	9·951476	25
36	9·651044	421	·348956	9·699632	526	10·300368	·048588	105	9·951412	24
37	9·651297	420	·348703	9·699947	526	10·300053	·048651	105	9·951349	23
38	9·651549	420	·348451	9·700263	526	10·299737	·048714	106	9·951286	22
39	9·651800	420	·348200	9·700578	525	10·299422	·048778	106	9·951222	21
40	9·652052	419	·347948	9·700893	525	10·299107	·048841	106	9·951159	20
41	9·652304	419	·347696	9·701208	525	10·298792	·048904	106	9·951096	19
42	9·652555	419	·347445	9·701523	525	10·298477	·048968	106	9·951032	18
43	9·652806	418	·347194	9·701837	524	10·298163	·049032	106	9·950968	17
44	9·653057	418	·346943	9·702152	524	10·297848	·049095	106	9·950905	16
45	9·653308	418	·346692	9·702466	524	10·297534	·049159	106	9·950841	15
46	9·653558	418	·346442	9·702780	524	10·297220	·049222	106	9·950778	14
47	9·653808	417	·346192	9·703095	523	10·296905	·049286	106	9·950714	13
48	9·654059	417	·345941	9·703409	523	10·296591	·049350	106	9·950650	12
49	9·654309	417	·345691	9·703723	523	10·296277	·049414	106	9·950586	11
50	9·654558	416	·345442	9·704036	523	10·295964	·049478	106	9·950522	10
51	9·654808	416	·345192	9·704350	523	10·295650	·049542	107	9·950458	9
52	9·655058	416	·344942	9·704663	522	10·295337	·049606	107	9·950394	8
53	9·655307	415	·344693	9·704977	522	10·295023	·049670	107	9·950330	7
54	9·655556	415	·344444	9·705290	522	10·294710	·049734	107	9·950266	6
55	9·655805	415	·344195	9·705603	522	10·294397	·049798	107	9·950202	5
56	9·656054	415	·343946	9·705916	521	10·294084	·049862	107	9·950138	4
57	9·656302	414	·343698	9·706228	521	10·293772	·049926	107	9·950074	3
58	9·656551	414	·343449	9·706541	521	10·293459	·049990	107	9·950010	2
59	9·656799	414	·343201	9·706854	521	10·293146	·050055	107	9·949945	1
60	9·657047	413	·342953	9·707166	521	10·292834	·050119	107	9·949881	0
′	Cosine.		Secant.	Cotangent.		Tangent.	Cosecant.		Sine.	′

27 DEG.

′	Sine.	Diff. 100″	Cosecant.	Tangent.	Diff. 100″	Cotangent.	Secant.	Diff. 100″	Cosine.	′
0	9·657047		·342953	9·707166		10·292834	·050119		9·949881	60
1	9·657295	413	·342705	9·707478	520	10·292522	·050184	107	9·949816	59
2	9·657542	413	·342458	9·707790	520	10·292210	·050248	107	9·949752	58
3	9·657790	412	·342210	9·708102	520	10·291898	·050312	107	9·949688	57
4	9·658037	412	·341963	9·708414	520	10·291586	·050377	108	9·949623	56
5	9·658284	412	·341716	9·708726	519	10·291274	·050442	108	9·949558	55
6	9·658531	412	·341469	9·709037	519	10·290963	·050506	108	9·949494	54
7	9·658778	411	·341222	9·709349	519	10·290651	·050571	108	9·949429	53
8	9·659025	411	·340975	9·709660	519	10·290340	·050636	108	9·949364	52
9	9·659271	411	·340729	9·709971	519	10·290029	·050700	108	9·949300	51
10	9·659517	410	·340483	9·710282	518	10·289718	·050765	108	9·949235	50
11	9·659763	410	·340237	9·710593	518	10·289407	·050830	108	9·949170	49
12	9·660009	410	·339991	9·710904	518	10·289096	·050895	108	9·949105	48
13	9·660255	409	·339745	9·711215	518	10·288785	·050960	108	9·949040	47
14	9·660501	409	·339499	9·711525	518	10·288475	·051025	108	9·948975	46
15	9·660746	409	·339254	9·711836	517	10·288164	·051090	108	9·948910	45
16	9·660991	409	·339009	9·712146	517	10·287854	·051155	108	9·948845	44
17	9·661236	408	·338764	9·712456	517	10·287544	·051220	108	9·948780	43
18	9·661481	408	·338519	9·712766	517	10·287234	·051285	109	9·948715	42
19	9·661726	408	·338274	9·713076	516	10·286924	·051350	109	9·948650	41
20	9·661970	407	·338030	9·713386	516	10·286614	·051416	109	9·948584	40
21	9·662214	407	·337786	9·713696	516	10·286304	·051481	109	9·948519	39
22	9·662459	407	·337541	9·714005	516	10·285995	·051546	109	9·948454	38
23	9·662703	407	·337297	9·714314	516	10·285686	·051612	109	9·948388	37
24	9·662946	406	·337054	9·714624	515	10·285376	·051677	109	9·948323	36
25	9·663190	406	·336810	9·714933	515	10·285067	·051743	109	9·948257	35
26	9·663433	406	·336567	9·715242	515	10·284758	·051808	109	9·948192	34
27	9·663677	405	·336323	9·715551	515	10·284449	·051874	109	9·948126	33
28	9·663920	405	·336080	9·715860	514	10·284140	·051940	109	9·948060	32
29	9·664163	405	·335837	9·716168	514	10·283832	·052005	109	9·947995	31
30	9·664406	405	·335594	9·716477	514	10·283523	·052071	110	9·947929	30
31	9·664648	404	·335352	9·716785	514	10·283215	·052137	110	9·947863	29
32	9·664891	404	·335109	9·717093	514	10·282907	·052203	110	9·947797	28
33	9·665133	404	·334867	9·717401	513	10·282599	·052269	110	9·947731	27
34	9·665375	403	·334625	9·717709	513	10·282291	·052335	110	9·947665	26
35	9·665617	403	·334383	9·718017	513	10·281983	·052400	110	9·947600	25
36	9·665859	403	·334141	9·718325	513	10·281675	·052467	110	9·947533	24
37	9·666100	402	·333900	9·718633	513	10·281367	·052533	110	9·947467	23
38	9·666342	402	·333658	9·718940	512	10·281060	·052599	110	9·947401	22
39	9·666583	402	·333417	9·719248	512	10·280752	·052665	110	9·947335	21
40	9·666824	402	·333176	9·719555	512	10·280445	·052731	110	9·947269	20
41	9·667065	401	·332935	9·719862	512	10·280138	·052797	110	9·947203	19
42	9·667305	401	·332695	9·720169	512	10·279831	·052864	110	9·947136	18
43	9·667546	401	·332454	9·720476	511	10·279524	·052930	111	9·947070	17
44	9·667786	401	·332214	9·720783	511	10·279217	·052996	111	9·947004	16
45	9·668027	400	·331973	9·721089	511	10·278911	·053063	111	9·946937	15
46	9·668267	400	·331733	9·721396	511	10·278604	·053129	111	9·946871	14
47	9·668506	400	·331494	9·721702	511	10·278298	·053196	111	9·946804	13
48	9·668746	399	·331254	9·722009	510	10·277991	·053262	111	9·946738	12
49	9·668986	399	·331014	9·722315	510	10·277685	·053329	111	9·946671	11
50	9·669225	399	·330775	9·722621	510	10·277379	·053396	111	9·946604	10
51	9·669464	399	·330536	9·722927	510	10·277073	·053462	111	9·946538	9
52	9·669703	398	·330297	9·723232	510	10·276768	·053529	111	9·946471	8
53	9·669942	398	·330058	9·723538	509	10·276462	·053596	111	9·946404	7
54	9·670181	398	·329819	9·723844	509	10·276156	·053663	111	9·946337	6
55	9·670419	397	·329581	9·724149	509	10·275851	·053730	111	9·946270	5
56	9·670658	397	·329342	9·724454	509	10·275546	·053797	112	9·946203	4
57	9·670896	397	·329104	9·724759	509	10·275241	·053864	112	9·946136	3
58	9·671134	397	·328866	9·725065	508	10·274935	·053931	112	9·946069	2
59	9·671372	396	·328628	9·725369	508	10·274631	·053998	112	9·946002	1
60	9·671609	396	·328391	9·725674	508	10·274326	·054065	112	9·945935	0
′	Cosine.		Secant.	Cotangent.		Tangent.	Cosecant.		Sine.	′

62 DEG.

28 DEG.

′	Sine.	Diff. 100″	Cosecant.	Tangent.	Diff. 100″	Cotangent.	Secant.	Diff. 100″	Cosine.	′
0	9·671609		·328391	9·725674		10·274326	·054065		9·945935	60
1	9·671847	396	·328153	9·725979	508	10·274021	·054132	112	9·945868	59
2	9·672084	395	·327916	9·726284	508	10·273716	·054200	112	9·945800	58
3	9·672321	395	·327679	9·726588	507	10·273412	·054267	112	9·945733	57
4	9·672558	395	·327442	9·726892	507	10·273108	·054334	112	9·945666	56
5	9·672795	395	·327205	9·727197	507	10·272803	·054402	112	9·945598	55
6	9·673032	394	·326968	9·727501	507	10·272499	·054469	112	9·945531	54
7	9·673268	394	·326732	9·727805	507	10·272195	·054536	112	9·945464	53
8	9·673505	394	·326495	9·728109	506	10·271891	·054604	113	9·945396	52
9	9·673741	394	·326259	9·728412	506	10·271588	·054672	113	9·945328	51
10	9·673977	393	·326023	9·728716	506	10·271284	·054739	113	9·945261	50
11	9·674213	393	·325787	9·729020	506	10·270980	·054807	113	9·945193	49
12	9·674448	393	·325552	9·729323	506	10·270677	·054875	113	9·945125	48
13	9·674684	392	·325316	9·729626	505	10·270374	·054942	113	9·945058	47
14	9·674919	392	·325081	9·729929	505	10·270071	·055010	113	9·944990	46
15	9·675155	392	·324845	9·730233	505	10·269767	·055078	113	9·944922	45
16	9·675390	392	·324610	9·730535	505	10·269465	·055146	113	9·944854	44
17	9·675624	391	·324376	9·730838	505	10·269162	·055214	113	9·944786	43
18	9·675859	391	·324141	9·731141	504	10·268859	·055282	113	9·944718	42
19	9·676094	391	·323906	9·731444	504	10·268556	·055350	113	9·944650	41
20	9·676328	391	·323672	9·731746	504	10·268254	·055418	113	9·944582	40
21	9·676562	390	·323438	9·732048	504	10·267952	·055486	114	9·944514	39
22	9·676796	390	·323204	9·732351	504	10·267649	·055554	114	9·944446	38
23	9·677030	390	·322970	9·732653	503	10·267347	·055623	114	9·944377	37
24	9·677264	390	·322736	9·732955	503	10·267045	·055691	114	9·944309	36
25	9·677498	389	·322502	9·733257	503	10·266743	·055759	114	9·944241	35
26	9·677731	389	·322269	9·733558	503	10·266442	·055828	114	9·944172	34
27	9·677964	389	·322036	9·733860	503	10·266140	·055896	114	9·944104	33
28	9·678197	388	·321803	9·734162	503	10·265838	·055964	114	9·944036	32
29	9·678430	388	·321570	9·734463	502	10·265537	·056033	114	9·943967	31
30	9·678663	388	·321337	9·734764	502	10·265236	·056102	114	9·943899	30
31	9·678895	388	·321105	9·735066	502	10·264934	·056170	114	9·943830	29
32	9·679128	387	·320872	9·735367	502	10·264633	·056239	114	9·943761	28
33	9·679360	387	·320640	9·735668	502	10·264332	·056307	114	9·943693	27
34	9·679592	387	·320408	9·735969	501	10·264031	·056376	115	9·943624	26
35	9·679824	387	·320176	9·736269	501	10·263731	·056445	115	9·943555	25
36	9·680056	386	·319944	9·736570	501	10·263430	·056514	115	9·943486	24
37	9·680288	386	·319712	9·736871	501	10·263129	·056583	115	9·943417	23
38	9·680519	386	·319481	9·737171	501	10·262829	·056652	115	9·943348	22
39	9·680750	385	·319250	9·737471	500	10·262529	·056721	115	9·943279	21
40	9·680982	385	·319018	9·737771	500	10·262229	·056790	115	9·943210	20
41	9·681213	385	·318787	9·738071	500	10·261929	·056859	115	9·943141	19
42	9·681443	385	·318557	9·738371	500	10·261629	·056928	115	9·943072	18
43	9·681674	384	·318326	9·738671	500	10·261329	·056997	115	9·943003	17
44	9·681905	384	·318095	9·738971	500	10·261029	·057066	115	9·942934	16
45	9·682135	384	·317865	9·739271	499	10·260729	·057136	115	9·942864	15
46	9·682365	384	·317635	9·739570	499	10·260430	·057205	115	9·942795	14
47	9·682595	383	·317405	9·739870	499	10·260130	·057274	116	9·942726	13
48	9·682825	383	·317175	9·740169	499	10·259831	·057344	116	9·942656	12
49	9·683055	383	·316945	9·740468	499	10·259532	·057413	116	9·942587	11
50	9·683284	383	·316716	9·740767	498	10·259233	·057483	116	9·942517	10
51	9·683514	382	·316486	9·741066	498	10·258934	·057552	116	9·942448	9
52	9·683743	382	·316257	9·741365	498	10·258635	·057622	116	9·942378	8
53	9·683972	382	·316028	9·741664	498	10·258336	·057692	116	9·942308	7
54	9·684201	382	·315799	9·741962	498	10·258038	·057761	116	9·942239	6
55	9·684430	381	·315570	9·742261	498	10·257739	·057831	116	9·942169	5
56	9·684658	381	·315342	9·742559	497	10·257441	·057901	116	9·942099	4
57	9·684887	381	·315113	9·742858	497	10·257142	·057971	116	9·942029	3
58	9·685115	380	·314885	9·743156	497	10·256844	·058041	116	9·941959	2
59	9·685343	380	·314657	9·743454	497	10·256546	·058111	116	9·941889	1
60	9·685571	380	·314429	9·743752	497	10·256248	·058181	117	9·941819	0
′	Cosine.		Secant.	Cotangent.		Tangent.	Cosecant.		Sine.	′

61 DEG.

29 DEG.

′	Sine.	Diff. 100″	Cosecant.	Tangent.	Diff. 100″	Cotangent.	Secant.	Diff 100″	Cosine.	
0	9·685571		·314429	9·743752		10·256248	·058181		9·941819	60
1	9·685799	380	·314201	9·744050	496	10·255950	·058251	117	9·941749	59
2	9·686027	379	·313973	9·744348	496	10·255652	·058321	117	9·941679	58
3	9·686254	379	·313746	9·744645	496	10·255355	·058391	117	9·941609	57
4	9·686482	379	·313518	9·744943	496	10·255057	·058461	117	9·941539	56
5	9·686709	379	·313291	9·745240	496	10·254760	·058531	117	9·941469	55
6	9·686936	378	·313064	9·745538	496	10·254462	·058602	117	9·941398	54
7	9·687163	378	·312837	9·745835	495	10·254165	·058672	117	9·941328	53
8	9·687389	378	·312611	9·746132	495	10·253868	·058742	117	9·941258	52
9	9·687616	378	·312384	9·746429	495	10·253571	·058813	117	9·941187	51
10	9·687843	377	·312157	9·746726	495	10·253274	·058883	117	9·941117	50
11	9·688069	377	·311931	9·747023	495	10·252977	·058954	117	9·941046	49
12	9·688295	377	·311705	9·747319	494	10·252681	·059025	118	9·940975	48
13	9·688521	377	·311479	9·747616	494	10·252384	·059095	118	9·940905	47
14	9·688747	376	·311253	9·747913	494	10·252087	·059166	118	9·940834	46
15	9·688972	376	·311028	9·748209	494	10·251791	·059237	118	9·940763	45
16	9·689198	376	·310802	9·748505	494	10·251495	·059367	118	9·940693	44
17	9·689423	376	·310577	9·748801	494	10·251199	·059378	118	9·940622	43
18	9·689648	375	·310352	9·749097	493	10·250903	·059449	118	9·940551	42
19	9·689873	375	·310127	9·749393	493	10·250607	·059520	118	9·940480	41
20	9·690098	375	·309902	9·749689	493	10·250311	·059591	118	9·940409	40
21	9·690323	375	·309677	9·749985	493	10·250015	·059662	118	9·940338	39
22	9·690548	374	·309452	9·750281	493	10·249719	·059733	118	9·940267	38
23	9·690772	374	·309228	9·750576	493	10·249424	·059804	118	9·940196	37
24	9·690996	374	·309004	9·750872	492	10·249128	·059875	118	9·940125	36
25	9·691220	374	·308780	9·751167	492	10·248833	·059946	119	9·940054	35
26	9·691444	373	·308556	9·751462	492	10·248538	·060018	119	9·939982	34
27	9·691668	373	·308332	9·751757	492	10·248243	·060089	119	9·939911	33
28	9·691892	373	·308108	9·752052	492	10·247948	·060160	119	9·939840	32
29	9·692115	373	·307885	9·752347	491	10·247653	·060232	119	9·939768	31
30	9·692339	372	·307661	9·752642	491	10·247358	·060303	119	9·939697	30
31	9·692562	372	·307438	9·752937	491	10·247063	·060375	119	9·939625	29
32	9·692785	372	·307215	9·753231	491	10·246769	·060446	119	9·939554	28
33	9·693008	371	·306992	9·753526	491	10·246474	·060518	119	9·939482	27
34	9·693231	371	·306769	9·753820	491	10·246180	·060590	119	9·939410	26
35	9·693453	371	·306547	9·754115	490	10·245885	·060661	119	9·939339	25
36	9·693676	371	·306324	9·754409	490	10·245591	·060733	119	9·939267	24
37	9·693898	370	·306102	9·754703	490	10·245297	·060805	120	9·939195	23
38	9·694120	370	·305880	9·754997	490	10·245003	·060877	120	9·939123	22
39	9·694342	370	·305658	9·755291	490	10·244709	·060948	120	9·939052	21
40	9·694564	370	·305436	9·755585	490	10·244415	·061020	120	9·938980	20
41	9·694786	369	·305214	9·755878	489	10·244122	·061092	120	9·938908	19
42	9·695007	369	·304993	9·756172	489	10·243828	·061164	120	9·938836	18
43	9·695229	369	·304771	9·756465	489	10·243535	·061237	120	9·938763	17
44	9·695450	369	·304550	9·756759	489	10·243241	·061309	120	9·938691	16
45	9·695671	368	·304329	9·757052	489	10·242948	·061381	120	9·938619	15
46	9·695892	368	·304108	9·757345	489	10·242655	·061453	120	9·938547	14
47	9·696113	368	·303887	9·757638	488	10·242362	·061525	120	9·938475	13
48	9·696334	368	·303666	9·757931	488	10·242069	·061598	120	9·938402	12
49	9·696554	367	·303446	9·758224	488	10·241776	·061670	121	9·938330	11
50	9·696775	367	·303225	9·758517	488	10·241483	·061742	121	9·938258	10
51	9·696995	367	·303005	9·758810	488	10·241190	·061815	121	9·938185	9
52	9·697215	367	·302785	9·759102	488	10·240898	·061887	121	9·938113	8
53	9·697435	366	·302565	9·759395	487	10·240605	·061960	121	9·938040	7
54	9·697654	366	·302346	9·759687	487	10·240313	·062033	121	9·937967	6
55	9·697874	366	·302126	9·759979	487	10·240021	·062105	121	9·937895	5
56	9·698094	366	·301906	9·760272	487	10·239728	·062178	121	9·937822	4
57	9·698313	365	·301687	9·760564	487	10·239436	·062251	121	9·937749	3
58	9·698532	365	·301468	9·760856	487	10·239144	·062324	121	9·937676	2
59	9·698751	365	·301249	9·761148	486	10·238852	·062396	121	9·937604	1
60	9·698970	365	·301030	9·761439	486	10·238561	·062469	121	9·937531	0
′	Cosine.		Secant.	Cotangent.		Tangent.	Cosecant.		Sine.	′

60 DEG.

30 DEG.

′	Sine.	Diff. 100″	Cosecant.	Tangent.	Diff. 100″	Cotangent.	Secant.	Diff. 100″	Cosine.	′
0	9·698970		·301030	9·761439		10·238561	·062469		9·937531	60
1	9·699189	364	·300811	9·761731	486	10·238269	·062542	121	9·937458	59
2	9·699407	364	·300593	9·762023	486	10·237977	·062615	122	9·937385	58
3	9·699626	364	·300374	9·762314	486	10·237686	·062688	122	9·937312	57
4	9·699844	364	·300156	9·762606	486	10·237394	·062762	122	9·937238	56
5	9·700062	363	·299938	9·762897	485	10·237103	·062835	122	9·937165	55
6	9·700280	363	·299520	9·763188	485	10·236812	·062908	122	9·937092	54
7	9·700498	363	·299702	9·763479	485	10·236521	·062981	122	9·937019	53
8	9·700716	363	·299284	9·763770	485	10·236230	·063054	122	9·936946	52
9	9·700933	363	·299067	9·764061	485	10·235939	·063128	122	9·936872	51
10	9·701151	362	·298849	9·764352	485	10·235648	·063201	122	9·936799	50
11	9·701368	362	·298632	9·764643	485	10·235357	·063275	122	9·936725	49
12	9·701585	362	·298415	9·764933	484	10·235067	·063348	122	9·936652	48
13	9·701802	362	·298198	9·765224	484	10·234776	·063422	123	9·936578	47
14	9·702019	361	·297981	9·765514	484	10·234486	·063495	123	9·936505	46
15	9·702236	361	·297764	9·765805	484	10·234195	·063569	123	9·936431	45
16	9·702452	361	·297548	9·766095	484	10·233905	·063643	123	9·936357	44
17	9·702669	361	·297331	9·766385	484	10·233615	·063716	123	9·936284	43
18	9·702885	360	·297115	9·766675	483	10·233325	·063790	123	9·936210	42
19	9·703101	360	·296899	9·766965	483	10·233035	·063864	123	9·936136	41
20	9·703317	360	·296683	9·767255	483	10·232745	·063938	123	9·936062	40
21	9·703533	360	·296467	9·767545	483	10·232455	·064012	123	9·935988	39
22	9·703749	359	·296251	9·767834	483	10·232166	·064086	123	9·935914	38
23	9·703964	359	·296036	9·768124	483	10·231876	·064160	123	9·935840	37
24	9·704179	359	·295821	9·768414	482	10·231586	·064234	123	9·935766	36
25	9·704395	359	·295605	9·768703	482	10·231297	·064308	124	9·935692	35
26	9·704610	359	·295390	9·768992	482	10·231008	·064382	124	9·935618	34
27	9·704825	358	·295175	9·769281	482	10·230719	·064457	124	9·935543	33
28	9·705040	358	·294960	9·769570	482	10·230430	·064531	124	9·935469	32
29	9·705254	358	·294746	9·769860	482	10·230140	·064605	124	9·935395	31
30	9·705469	358	·294531	9·770148	481	10·229852	·064680	124	9·935320	30
31	9·705683	357	·294317	9·770437	481	10·229563	·064754	124	9·935246	29
32	9·705898	357	·294102	9·770726	481	10·229274	·064829	124	9·935171	28
33	9·706112	357	·293888	9·771015	481	10·228985	·064903	124	9·935097	27
34	9·706326	357	·293674	9·771303	481	10·228697	·064978	124	9·935022	26
35	9·706539	356	·293461	9·771592	481	10·228408	·065052	124	9·934948	25
36	9·706753	356	·293247	9·771880	481	10·228120	·065127	124	9·934873	24
37	9·706967	356	·293033	9·772168	480	10·227832	·065202	124	9·934798	23
38	9·707180	356	·292820	9·772457	480	10·227543	·065277	125	9·934723	22
39	9·707393	355	·292607	9·772745	480	10·227255	·065351	125	9·934649	21
40	9·707606	355	·292394	9·773033	480	10·226967	·065426	125	9·934574	20
41	9·707819	355	·292181	9·773321	480	10·226679	·065501	125	9·934499	19
42	9·708032	355	·291968	9·773608	480	10·226392	·065576	125	9·934424	18
43	9·708245	354	·291755	9·773896	480	10·226104	·065651	125	9·934349	17
44	9·708458	354	·291542	9·774184	479	10·225816	·065726	125	9·934274	16
45	9·708670	354	·291330	9·774471	479	10·225529	·065801	125	9·934199	15
46	9·708882	354	·291118	9·774759	479	10·225241	·065877	125	9·934123	14
47	9·709094	353	·290906	9·775046	479	10·224954	·065952	125	9·934048	13
48	9·709306	353	·290694	9·775333	479	10·224667	·066027	125	9·933973	12
49	9·709518	353	·290482	9·775621	479	10·224379	·066102	125	9·933898	11
50	9·709730	353	·290270	9·775908	478	10·224092	·066178	126	9·933822	10
51	9·709941	353	·290059	9·776195	478	10·223805	·066253	126	9·933747	9
52	9·710153	352	·289847	9·776482	478	10·223518	·066329	126	9·933671	8
53	9·710364	352	·289636	9·776769	478	10·223231	·066404	126	9·933596	7
54	9·710575	352	·289425	9·777055	478	10·222945	·066480	126	9·933520	6
55	9·710786	352	·289214	9·777342	478	10·222658	·066555	126	9·933445	5
56	9·710997	351	·289003	9·777628	478	10·222372	·066631	126	9·933369	4
57	9·711208	351	·288792	9·777915	477	10·222085	·066707	126	9·933293	3
58	9·711419	351	·288581	9·778201	477	10·221799	·066783	126	9·933217	2
59	9·711629	351	·288371	9·778487	477	10·221513	·066859	126	9·933141	1
60	9·711839	350	·288161	9·778774	477	10·221226	·066934	126	9·933066	0
′	Cosine.		Secant.	Cotangent.		Tangent.	Cosecant.		Sine.	′

31 DEG.

′	Sine.	Diff. 100″	Cosecant.	Tangent.	Diff. 100″	Cotangent.	Secant.	Diff. 100″	Cosine.	′
0	9·711839		·288161	9·778774		10·221226	·066934		9·933066	60
1	9·712050	350	·287950	9·779060	477	10·220940	·067010	126	9·932990	59
2	9·712260	350	·287740	9·779346	477	10·220654	·067086	127	9·932914	58
3	9·712469	350	·287531	9·779632	477	10·220368	·067162	127	9·932838	57
4	9·712679	349	·287321	9·779918	476	10·220082	·067238	127	9·932762	56
5	9·712889	349	·287111	9·780203	476	10·219797	·067315	127	9·932685	55
6	9·713098	349	·286902	9·780489	476	10·219511	·067391	127	9·932609	54
7	9·713308	349	·286692	9·780775	476	10·219225	·067467	127	9·932533	53
8	9·713517	349	·286483	9·781060	476	10·218940	·067543	127	9·932457	52
9	9·713726	348	·286274	9·781346	476	10·218654	·067620	127	9·932380	51
10	9·713935	348	·286065	9·781631	476	10·218369	·067696	127	9·932304	50
11	9·714144	348	·285856	9·781916	475	10·218084	·067772	127	9·932228	49
12	9·714352	348	·285648	9·782201	475	10·217799	·067849	127	9·932151	48
13	9·714561	347	·285439	9·782486	475	10·217514	·067925	127	9·932075	47
14	9·714769	347	·285231	9·782771	475	10·217229	·068002	128	9·931998	46
15	9·714978	347	·285022	9·783056	475	10·216944	·068079	128	9·931921	45
16	9·715186	347	·284814	9·783341	475	10·216659	·068155	128	9·931845	44
17	9·715394	347	·284606	9·783626	475	10·216374	·068232	128	9·931768	43
18	9·715602	346	·284398	9·783910	474	10·216090	·068309	128	9·931691	42
19	9·715809	346	·284191	9·784195	474	10·215805	·068386	128	9·931614	41
20	9·716017	346	·283983	9·784479	474	10·215521	·068463	128	9·931537	40
21	9·716224	346	·283776	9·784764	474	10·215236	·068540	128	9·931460	39
22	9·716432	345	·283568	9·785048	474	10·214952	·068617	128	9·931383	38
23	9·716639	345	·283361	9·785332	474	10·214668	·068694	128	9·931306	37
24	9·716846	345	·283154	9·785616	474	10·214384	·068771	128	9·931229	36
25	9·717053	345	·282947	9·785900	473	10·214100	·068848	129	9·931152	35
26	9·717259	345	·282741	9·786184	473	10·213816	·068925	129	9·931075	34
27	9·717466	344	·282534	9·786468	473	10·213532	·069002	129	9·930998	33
28	9·717673	344	·282327	9·786752	473	10·213248	·069079	129	9·930921	32
29	9·717879	344	·282121	9·787036	473	10·212964	·069157	129	9·930843	31
30	9·718085	344	·281915	9·787319	473	10·212681	·069234	129	9·930766	30
31	9·718291	343	·281709	9·787603	473	10·212397	·069312	129	9·930688	29
32	9·718497	343	·281503	9·787886	472	10·212114	·069389	129	9·930611	28
33	9·718703	343	·281297	9·788170	472	10·211830	·069467	129	9·930533	27
34	9·718909	343	·281091	9·788453	472	10·211547	·069544	129	9·930456	26
35	9·719114	343	·280886	9·788736	472	10·211264	·069622	129	9·930378	25
36	9·719320	342	·280680	9·789019	472	10·210981	·069700	129	9·930300	24
37	9·719525	342	·280475	9·789302	472	10·210698	·069777	130	9·930223	23
38	9·719730	342	·280270	9·789585	472	10·210415	·069855	130	9·930145	22
39	9·719935	342	·280065	9·789868	471	10·210132	·069933	130	9·930067	21
40	9·720140	341	·279860	9·790151	471	10·209849	·070011	130	9·929989	20
41	9·720345	341	·279655	9·790433	471	10·209567	·070089	130	9·929911	19
42	9·720549	341	·279451	9·790716	471	10·209284	·070167	130	9·929833	18
43	9·720754	341	·279246	9·790999	471	10·209001	·070245	130	9·929755	17
44	9·720958	340	·279042	9·791281	471	10·208719	·070323	130	9·929677	16
45	9·721162	340	·278838	9·791563	471	10·208437	·070401	130	9·929599	15
46	9·721366	340	·278634	9·791846	470	10·208154	·070479	130	9·929521	14
47	9·721570	340	·278430	9·792128	470	10·207872	·070558	130	9·929442	13
48	9·721774	340	·278226	9·792410	470	10·207590	·070636	130	9·929364	12
49	9·721978	339	·278022	9·792692	470	10·207308	·070714	131	9·929286	11
50	9·722181	339	·277819	9·792974	470	10·207026	·070793	131	9·929207	10
51	9·722385	339	·277615	9·793256	470	10·206744	·070871	131	9·929129	9
52	9·722588	339	·277412	9·793538	470	10·206462	·070950	131	9·929050	8
53	9·722791	339	·277209	9·793819	469	10·206181	·071028	131	9·928972	7
54	9·722994	338	·277006	9·794101	469	10·205899	·071107	131	9·928893	6
55	9·723197	338	·276803	9·794383	469	10·205617	·071185	131	9·928815	5
56	9·723400	338	·276600	9·794664	469	10·205336	·071264	131	9·928736	4
57	9·723603	338	·276397	9·794945	469	10·205055	·071343	131	9·928657	3
58	9·723805	337	·276195	9·795227	469	10·204773	·071422	131	9·928578	2
59	9·724007	337	·275993	9·795508	469	10·204492	·071501	131	9·928499	1
60	9·724210	337	·275790	9·795789	468	10·204211	·071580	131	9·928420	0
′	Cosine.		Secant.	Cotangent.		Tangent.	Cosecant.		Sine.	′

58 DEG.

32 DEG.

′	Sine.	Diff. 100″	Cosecant.	Tangent.	Diff. 100″	Cotangent.	Secant.	Diff. 100″	Cosine.	′
0	9·724210		·275790	9·795789		10·204211	·071580		9·928420	60
1	9·724412	337	·275588	9·796070	468	10·203930	·071658	132	9·928342	59
2	9·724614	337	·275386	9·796351	468	10·203649	·071737	132	9·928263	58
3	9·724816	336	·275184	9·796632	468	10·203368	·071817	132	9·928183	57
4	9·725017	336	·274983	9·796913	468	10·203087	·071896	132	9·928104	56
5	9·725219	336	·274781	9·797194	468	10·202806	·071975	132	9·928025	55
6	9·725420	336	·274580	9·797475	468	10·202525	·072054	132	9·927946	54
7	9·725622	335	·274378	9·797755	468	10·202245	·072133	132	9·927867	53
8	9·725823	335	·274177	9·798036	467	10·201964	·072213	132	9·927787	52
9	9·726024	335	·273976	9·798316	467	10·201684	·072292	132	9·927708	51
10	9·726225	335	·273775	9·798596	467	10·201404	·072371	132	9·927629	50
11	9·726426	335	·273574	9·798877	467	10·201123	·072451	132	9·927549	49
12	9·726626	334	·273374	9·799157	467	10·200843	·072530	132	9·927470	48
13	9·726827	334	·273173	9·799437	467	10·200563	·072610	133	9·927390	47
14	9·727027	334	·272973	9·799717	467	10·200283	·072690	133	9·927310	46
15	9·727228	334	·272772	9·799997	467	10·200003	·072769	133	9·927231	45
16	9·727428	334	·272572	9·800277	466	10·199723	·072849	133	9·927151	44
17	9·727628	333	·272372	9·800557	466	10·199443	·072929	133	9·927071	43
18	9·727828	333	·272172	9·800836	466	10·199164	·073009	133	9·926991	42
19	9·728027	333	·271973	9·801116	466	10·198884	·073089	133	9·926911	41
20	9·728227	333	·271773	9·801396	466	10·198604	·073169	133	9·926831	40
21	9·728427	333	·271573	9·801675	466	10·198325	·073249	133	9·926751	39
22	9·728626	332	·271374	9·801955	466	10·198045	·073329	133	9·926671	38
23	9·728825	332	·271175	9·802234	466	10·197766	·073409	133	9·926591	37
24	9·729024	332	·270976	9·802513	465	10·197487	·073489	133	9·926511	36
25	9·729223	332	·270777	9·802792	465	10·197208	·073569	134	9·926431	35
26	9·729422	331	·270578	9·803072	465	10·196928	·073649	134	9·926351	34
27	9·729621	331	·270379	9·803351	465	10·196649	·073730	134	9·926270	33
28	9·729820	331	·270180	9·803630	465	10·196370	·073810	134	9·926190	32
29	9·730018	331	·269982	9·803908	465	10·196092	·073890	134	9·926110	31
30	9·730217	330	·269783	9·804187	465	10·195813	·073971	134	9·926029	30
31	9·730415	330	·269585	9·804466	465	10·195534	·074051	134	9·925949	29
32	9·730613	330	·269387	9·804745	464	10·195255	·074132	134	9·925868	28
33	9·730811	330	·269189	9·805023	464	10·194977	·074212	134	9·925788	27
34	9·731009	330	·268991	9·805302	464	10·194698	·074293	134	9·925707	26
35	9·731206	329	·268794	9·805580	464	10·194420	·074374	134	9·925626	25
36	9·731404	329	·268596	9·805859	464	10·194141	·074455	134	9·925545	24
37	9·731602	329	·268398	9·806137	464	10·193863	·074535	135	9·925465	23
38	9·731799	329	·268201	9·806415	464	10·193585	·074616	135	9·925384	22
39	9·731996	329	·268004	9·806693	464	10·193307	·074697	135	9·925303	21
40	9·732193	328	·267807	9·806971	463	10·193029	·074778	135	9·925222	20
41	9·732390	328	·267610	9·807249	463	10·192751	·074859	135	9·925141	19
42	9·732587	328	·267413	9·807527	463	10·192473	·074940	135	9·925060	18
43	9·732784	328	·267216	9·807805	463	10·192195	·075021	135	9·924979	17
44	9·732980	328	·267020	9·808083	463	10·191917	·075103	135	9·924897	16
45	9·733177	327	·266823	9·808361	463	10·191639	·075184	135	9·924816	15
46	9·733373	327	·266627	9·808638	463	10·191362	·075265	135	9·924735	14
47	9·733569	327	·266431	9·808916	463	10·191084	·075346	136	9·924654	13
48	9·733765	327	·266235	9·809193	462	10·190807	·075428	136	9·924572	12
49	9·733961	327	·266039	9·809471	462	10·190529	·075509	136	9·924491	11
50	9·734157	326	·265843	9·809748	462	10·190252	·075591	136	9·924409	10
51	9·734353	326	·265647	9·810025	462	10·189975	·075672	136	9·924328	9
52	9·734549	326	·265451	9·810302	462	10·189698	·075754	136	9·924246	8
53	9·734744	326	·265256	9·810580	462	10·189420	·075836	136	9·924164	7
54	9·734939	325	·265061	9·810857	462	10·189143	·075917	136	9·924083	6
55	9·735135	325	·264865	9·811134	462	10·188866	·075999	136	9·924001	5
56	9·735330	325	·264670	9·811410	461	10·188590	·076081	136	9·923919	4
57	9·735525	325	·264475	9·811687	461	10·188313	·076163	136	9·923837	3
58	9·735719	325	·264281	9·811964	461	10·188036	·076245	136	9·923755	2
59	9·735914	324	·264086	9·812241	461	10·187759	·076327	137	9·923673	1
60	9·736109	324	·263891	9·812517	461	10·187483	·076409	137	9·923591	0
′	Cosine.		Secant.	Cotangent.		Tangent.	Cosecant.		Sine.	′

57 DEG.

33 DEG.

′	Sine.	Diff. 100″	Cosecant.	Tangent.	Diff. 100″	Cotangent.	Secant.	Diff. 100″	Cosine.	′
0	9·736109		·263891	9·812517		10·187483	·076409		9·923591	60
1	9·736303	324	·263697	9·812794	461	10·187206	·076491	137	9·923509	59
2	9·736498	324	·263502	9·813070	461	10·186930	·076573	137	9·923427	58
3	9·736692	324	·263308	9·813347	461	10·186653	·076655	137	9·923345	57
4	9·736886	323	·263114	9·813623	460	10·186377	·076737	137	9·923263	56
5	9·737080	323	·262920	9·813899	460	10·186101	·076819	137	9·923181	55
6	9·737274	323	·262726	9·814175	460	10·185825	·076902	137	9·923098	54
7	9·737467	323	·262533	9·814452	460	10·185548	·076984	137	9·923016	53
8	9·737661	323	·262339	9·814728	460	10·185272	·077067	137	9·922933	52
9	9·737855	322	·262145	9·815004	460	10·184996	·077149	137	9·922851	51
10	9·738048	322	·261952	9·815279	460	10·184721	·077232	137	9·922768	50
11	9·738241	322	·261759	9·815555	460	10·184445	·077314	138	9·922686	49
12	9·738434	322	·261566	9·815831	460	10·184169	·077397	138	9·922603	48
13	9·738627	322	·261373	9·816107	459	10·183893	·077480	138	9·922520	47
14	9·738820	321	·261180	9·816382	459	10·183618	·077562	138	9·922438	46
15	9·739013	321	·260987	9·816658	459	10·183342	·077645	138	9·922355	45
16	9·739206	321	·260794	9·816933	459	10·183067	·077728	138	9·922272	44
17	9·739398	321	·260602	9·817209	459	10·182791	·077811	138	9·922189	43
18	9·739590	321	·260410	9·817484	459	10·182516	·077894	138	9·922106	42
19	9·739783	320	·260217	9·817759	459	10·182241	·077977	138	9·922023	41
20	9·739975	320	·260025	9·818035	459	10·181965	·078060	138	9·921940	40
21	9·740167	320	·259833	9·818310	459	10·181690	·078143	138	9·921857	39
22	9·740359	320	·259641	9·818585	458	10·181415	·078226	139	9·921774	38
23	9·740550	320	·259450	9·818860	458	10·181140	·078309	139	9·921691	37
24	9·740742	319	·259258	9·819135	458	10·180865	·078393	139	9·921607	36
25	9·740934	319	·259066	9·819410	458	10·180590	·078476	139	9·921524	35
26	9·741125	319	·258875	9·819684	458	10·180316	·078559	139	9·921441	34
27	9·741316	319	·258684	9·819959	458	10·180041	·078643	139	9·921357	33
28	9·741508	319	·258492	9·820234	458	10·179766	·078726	139	9·921274	32
29	9·741699	318	·258301	9·820508	458	10·179492	·078810	139	9·921190	31
30	9·741889	318	·258111	9·820783	458	10·179217	·078893	139	9·921107	30
31	9·742080	318	·257920	9·821057	457	10·178943	·078977	139	9·921023	29
32	9·742271	318	·257729	9·821332	457	10·178668	·079061	139	9·920939	28
33	9·742462	318	·257538	9·821606	457	10·178394	·079144	139	9·920856	27
34	9·742652	317	·257348	9·821880	457	10·178120	·079228	140	9·920772	26
35	9·742842	317	·257158	9·822154	457	10·177846	·079312	140	9·920688	25
36	9·743033	317	·256967	9·822429	457	10·177571	·079396	140	9·920604	24
37	9·743223	317	·256777	9·822703	457	10·177297	·079480	140	9·920520	23
38	9·743413	317	·256587	9·822977	457	10·177023	·079564	140	9·920436	22
39	9·743602	316	·256398	9·823250	457	10·176750	·079648	140	9·920352	21
40	9·743792	316	·256208	9·823524	456	10·176476	·079732	140	9·920268	20
41	9·743982	316	·256018	9·823798	456	10·176202	·079816	140	9·920184	19
42	9·744171	316	·255829	9·824072	456	10·175928	·079901	140	9·920099	18
43	9·744361	316	·255639	9·824345	456	10·175655	·079985	140	9·920015	17
44	9·744550	315	·255450	9·824619	456	10·175381	·080069	140	9·919931	16
45	9·744739	315	·255261	9·824893	456	10·175107	·080154	141	9·919846	15
46	9·744928	315	·255072	9·825166	456	10·174834	·080238	141	9·919762	14
47	9·745117	315	·254883	9·825439	456	10·174561	·080323	141	9·919677	13
48	9·745306	315	·254694	9·825713	456	10·174287	·080407	141	9·919593	12
49	9·745494	314	·254506	9·825986	455	10·174014	·080492	141	9·919508	11
50	9·745683	314	·254317	9·826259	455	10·173741	·080576	141	9·919424	10
51	9·745871	314	·254129	9·826532	455	10·173468	·080661	141	9·919339	9
52	9·746060	314	·253940	9·826805	455	10·173195	·080746	141	9·919254	8
53	9·746248	314	·253752	9·827078	455	10·172922	·080831	141	9·919169	7
54	9·746436	313	·253564	9·827351	455	10·172649	·080915	141	9·919085	6
55	9·746624	313	·253376	9·827624	455	10·172376	·081000	141	9·919000	5
56	9·746812	313	·253188	9·827897	455	10·172103	·081085	142	9·918915	4
57	9·746999	313	·253001	9·828170	455	10·171830	81170	142	9·918830	3
58	9·747187	313	·252813	9·828442	454	10·171558	·081255	142	9·918745	2
59	9·747374	312	·252626	9·828715	454	10·171285	·081341	142	9·918659	1
60	9·747562	312	·252438	9·828987	454	10·171013	·081426	142	9·918574	0
′	Cosine.		Secant.	Cotangent.		Tangent.	Cosecant.		Sine.	′

56 DEG.

34 DEG.

′	Sine.	Diff. 100″	Cosecant.	Tangent.	Diff. 100″	Cotangent.	Secant.	Diff. 100″	Cosine.	′
0	9·747562		·252438	9·828987		10·171013	·081426		9·918574	60
1	9·747749	312	·252251	9·829260	454	10·170740	·081511	142	9·918489	59
2	9·747936	312	·252064	9·829532	454	10·170468	·081596	142	9·918404	58
3	9·748123	312	·251877	9·829805	454	10·170195	·081682	142	9·918318	57
4	9·748310	311	·251690	9·830077	454	10·169923	·081767	142	9·918233	56
5	9·748497	311	·251503	9·830349	454	10·169651	·081853	142	9·918147	55
6	9·748683	311	·251317	9·830621	454	10·169379	·081938	142	9·918062	54
7	9·748870	311	·251130	9·830893	453	10·169107	·082024	143	9·917976	53
8	9·749056	311	·250944	9·831165	453	10·168835	·082109	143	9·917891	52
9	9·749243	310	·250757	9·831437	453	10·168563	·082195	143	9·917805	51
10	9·749429	310	·250571	9·831709	453	10·168291	·082281	143	9·917719	50
11	9·749615	310	·250385	9·831981	453	10·168019	·082366	143	9·917634	49
12	9·749801	310	·250199	9·832253	453	10·167747	·082452	143	9·917548	48
13	9·749987	310	·250013	9·832525	453	10·167475	·082538	143	9·917462	47
14	9·750172	309	·249828	9·832796	453	10·167204	·082624	143	9·917376	46
15	9·750358	309	·249642	9·833068	453	10·166932	·082710	143	9·917290	45
16	9·750543	309	·249457	9·833339	453	10·166661	·082796	143	9·917204	44
17	9·750729	309	·249271	9·833611	452	10·166389	·082882	143	9·917118	43
18	9·750914	309	·249086	9·833882	452	10·166118	·082968	144	9·917032	42
19	9·751099	308	·248901	9·834154	452	10·165846	·083054	144	9·916946	41
20	9·751284	308	·248716	9·834425	452	10·165575	·083141	144	9·916859	40
21	9·751469	308	·248531	9·834696	452	10·165304	·083227	144	9·916773	39
22	9·751654	308	·248346	9·834967	452	10·165033	·083313	144	9·916687	38
23	9·751839	308	·248161	9·835238	452	10·164762	·083400	144	9·916600	37
24	9·752023	308	·247977	9·835509	452	10·164491	·083486	144	9·916514	36
25	9·752208	307	·247792	9·835780	452	10·164220	·083573	144	9·916427	35
26	9·752392	307	·247608	9·836051	452	10·163949	·083659	144	9·916341	34
27	9·752576	307	·247424	9·836322	451	10·163678	·083746	144	9·916254	33
28	9·752760	307	·247240	9·836593	451	10·163407	·083833	144	9·916167	32
29	9·752944	307	·247056	9·836864	451	10·163136	·083919	145	9·916081	31
30	9·753128	306	·246872	9·837134	451	10·162866	·084006	145	9·915994	30
31	9·753312	306	·246688	9·837405	451	10·162595	·084093	145	9·915907	29
32	9·753495	306	·246505	9·837675	451	10·162325	·084180	145	9·915820	28
33	9·753679	306	·246321	9·837946	451	10·162054	·084267	145	9·915733	27
34	9·753862	306	·246138	9·838216	451	10·161784	·084354	145	9·915646	26
35	9·754046	305	·245954	9·838487	451	10·161513	·084441	145	9·915559	25
36	9·754229	305	·245771	9·838757	451	10·161243	·084528	145	9·915472	24
37	9·754412	305	·245588	9·839027	450	10·160973	·084615	145	9·915385	23
38	9·754595	305	·245405	9·839297	450	10·160703	·084703	145	9·915297	22
39	9·754778	305	·245222	9·839568	450	10·160432	·084790	145	9·915210	21
40	9·754960	304	·245040	9·839838	450	10·160162	·084877	145	9·915123	20
41	9·755143	304	·244857	9·840108	450	10·159892	·084965	146	9·915035	19
42	9·755326	304	·244674	9·840378	450	10·159622	·085052	146	9·914948	18
43	9·755508	304	·244492	9·840647	450	10·159353	·085140	146	9·914860	17
44	9·755690	304	·244310	9·840917	450	10·159083	·085227	146	9·914773	16
45	9·755872	304	·244128	9·841187	450	10·158813	·085315	146	9·914685	15
46	9·756054	303	·243946	9·841457	450	10·158543	·085402	146	9·914598	14
47	9·756236	303	·243764	9·841726	449	10·158274	·085490	146	9·914510	13
48	9·756418	303	·243582	9·841996	449	10·158004	·085578	146	9·914422	12
49	9·756600	303	·243400	9·842266	449	10·157734	·085666	146	9·914334	11
50	9·756782	303	·243218	9·842535	449	10·157465	·085754	146	9·914246	10
51	9·756963	302	·243037	9·842805	449	10·157195	·085842	147	9·914158	9
52	9·757144	302	·242856	9·843074	449	10·156926	·085930	147	9·914070	8
53	9·757326	302	·242674	9·843343	449	10·156657	·086018	147	9·913982	7
54	9·757507	302	·242493	9·843612	449	10·156388	·086106	147	9·913894	6
55	9·757688	302	·242312	9·843882	449	10·156118	·086194	147	9·913806	5
56	9·757869	301	·242131	9·844151	449	10·155849	·086282	147	9·913718	4
57	9·758050	301	·241950	9·844420	448	10·155580	·086370	147	9·913630	3
58	9·758230	301	·241770	9·844689	448	10·155311	·086459	147	9·913541	2
59	9·758411	301	·241589	9·844958	448	10·155042	·086547	147	9·913453	1
60	9·758591	301	·241409	9·845227	448	10·154773	·086635	147	9·913365	0
′	Cosine.		Secant.	Cotangent.		Tangent.	Cosecant.		Sine.	′

55 DEG.

35 DEG.

′	Sine.	Diff. 100″	Cosecant.	Tangent.	Diff. 100″	Cotangent.	Secant.	Diff. 100″	Cosine.	′
0	9·758591		·241409	9·845227		10·154773	·086635		9·913365	60
1	9·758772	301	·241228	9·845496	448	10·154504	·086724	147	9·913276	59
2	9·758952	300	·241048	9·845764	448	10·154236	·086813	147	9·913187	58
3	9·759132	300	·240868	9·846033	448	10·153967	·086901	148	9·913099	57
4	9·759312	300	·240688	9·846302	448	10·153698	·086990	148	9·913010	56
5	9·759492	300	·240508	9·846570	448	10·153430	·087078	148	9·912922	55
6	9·759672	300	·240328	9·846839	448	10·153161	·087167	148	9·912833	54
7	9·759852	299	·240148	9·847107	448	10·152893	·087256	148	9·912744	53
8	9·760031	299	·239969	9·847376	447	10·152624	·087345	148	9·912655	52
9	9·760211	299	·239789	9·847644	447	10·152356	·087434	148	9·912566	51
10	9·760390	299	·239610	9·847913	447	10·152087	·087523	148	9·912477	50
11	9·760569	299	·239431	9·848181	447	10·151819	·087612	148	9·912388	49
12	9·760748	298	·239252	9·848449	447	10·151551	·087701	148	9·912299	48
13	9·760927	298	·239073	9·848717	447	10·151283	·087790	149	9·912210	47
14	9·761106	298	·238894	9·848986	447	10·151014	·087879	149	9·912121	46
15	9·761285	298	·238715	9·849254	447	10·150746	·087969	149	9·912031	45
16	9·761464	298	·238536	9·849522	447	10·150478	·088058	149	9·911942	44
17	9·761642	298	·238358	9·849790	447	10·150210	·088147	149	9·911853	43
18	9·761821	297	·238179	9·850058	446	10·149942	·088237	149	9·911763	42
19	9·761999	297	·238001	9·850325	446	10·149675	·088326	149	9·911674	41
20	9·762177	297	·237823	9·850593	446	10·149407	·088416	149	9·911584	40
21	9·762356	297	·237644	9·850861	446	10·149139	·088505	149	9·911495	39
22	9·762534	297	·237466	9·851129	446	10·148871	·088595	149	9·911405	38
23	9·762712	296	·237288	9·851396	446	10·148604	·088685	149	9·911315	37
24	9·762889	296	·237111	9·851664	446	10·148336	·088774	150	9·911226	36
25	9·763067	296	·236933	9·851931	446	10·148069	·088864	150	9·911136	35
26	9·763245	296	·236755	9·852199	446	10·147801	·088954	150	9·911046	34
27	9·763422	296	·236578	9·852466	446	10·147534	·089044	150	9·910956	33
28	9·763600	296	·236400	9·852733	446	10·147267	·089134	150	9·910866	32
29	9·763777	295	·236223	9·853001	445	10·146999	·089224	150	9·910776	31
30	9·763954	295	·236046	9·853268	445	10·146732	·089314	150	9·910686	30
31	9·764131	295	·235869	9·853535	445	10·146465	·089404	150	9·910596	29
32	9·764308	295	·235692	9·853802	445	10·146198	·089494	150	9·910506	28
33	9·764485	295	·235515	9·854069	445	10·145931	·089585	150	9·910415	27
34	9·764662	294	·235338	9·854336	445	10·145664	·089675	150	9·910325	26
35	9·764838	294	·235162	9·854603	445	10·145397	·089765	151	9·910235	25
36	9·765015	294	·234985	9·854870	445	10·145130	·089856	151	9·910144	24
37	9·765191	294	·234809	9·855137	445	10·144863	·089946	151	9·910054	23
38	9·765367	294	·234633	9·855404	445	10·144596	·090037	151	9·909963	22
39	9·765544	294	·234456	9·855671	445	10·144329	·090127	151	9·909873	21
40	9·765720	293	·234280	9·855938	444	10·144062	·090218	151	9·909782	20
41	9·765896	293	·234104	9·856204	444	10·143796	·090309	151	9·909691	19
42	9·766072	293	·233928	9·856471	444	10·143529	·090399	151	9·909601	18
43	9·766247	293	·233753	9·856737	444	10·143263	·090490	151	9·909510	17
44	9·766423	293	·233577	9·857004	444	10·142996	·090581	151	9·909419	16
45	9·766598	293	·233402	9·857270	444	10·142730	·090672	151	9·909328	15
46	9·766774	292	·233226	9·857537	444	10·142463	·090763	152	9·909237	14
47	9·766949	292	·233051	9·857803	444	10·142197	·090854	152	9·909146	13
48	9·767124	292	·232876	9·858069	444	10·141931	·090945	152	9·909055	12
49	9·767300	292	·232700	9·858336	444	10·141664	·091036	152	9·908964	11
50	9·767475	292	·232525	9·858602	444	10·141398	·091127	152	9·908873	10
51	9·767649	291	·232351	9·858868	444	10·141132	·091219	152	9·908781	9
52	9·767824	291	·232176	9·859134	443	10·140866	·091310	152	9·908690	8
53	9·767999	291	·232001	9·859400	443	10·140600	·091401	152	9·908599	7
54	9·768173	291	·231827	9·859666	443	10·140334	·091493	152	9·908507	6
55	9·768348	291	·231652	9·859932	443	10·140068	·091584	152	9·908416	5
56	9·768522	290	·231478	9·860198	443	10·139802	·091676	153	9·908324	4
57	9·768697	290	·231303	9·860464	443	10·139536	·091767	153	9·908233	3
58	9·768871	290	·231129	9·860730	443	10·139270	·091859	153	9·908141	2
59	9·769045	290	·230955	9·860995	443	10·139005	·091951	153	9·908049	1
60	9·769219	290	·230781	9·861261	443	10·138739	·092042	153	9·907958	0
′	Cosine.		Secant.	Cotangent.		Tangent.	Cosecant.		Sine.	′

54 DEG.

36 DEG.

′	Sine.	Diff. 100″	Cosecant.	Tangent.	Diff. 100″	Cotangent.	Secant.	Diff. 100″	Cosine.	′
0	9·769219		·230781	9·861261		10·138739	·092042		9·907958	60
1	9·769393	290	·230607	9·861527	443	10·138473	·092134	153	9·907866	59
2	9·769566	289	·230434	9·861792	443	10·138208	·092226	153	9·907774	58
3	9·769740	289	·230260	9·862058	443	10·137942	·092318	153	9·907682	57
4	9·769913	289	·230087	9·862323	442	10·137677	·092410	153	9·907590	56
5	9·770087	289	·229913	9·862589	442	10·137411	·092502	153	9·907498	55
6	9·770260	289	·229740	9·862854	442	10·137146	·092594	153	9·907406	54
7	9·770433	288	·229567	9·863119	442	10·136881	·092686	153	9·907314	53
8	9·770606	288	·229394	9·863385	442	10·136615	·092778	154	9·907222	52
9	9·770779	288	·229221	9·863650	442	10·136350	·092871	154	9·907129	51
10	9·770952	288	·229048	9·863915	442	10·136085	·092963	154	9·907037	50
11	9·771125	288	·228875	9·864180	442	10·135820	·093055	154	9·906945	49
12	9·771298	288	·228702	9·864445	442	10·135555	·093148	154	9·906852	48
13	9·771470	287	·228530	9·864710	442	10·135290	·093240	154	9·906760	47
14	9·771643	287	·228357	9·864975	442	10·135025	·093333	154	9·906667	46
15	9·771815	287	·228185	9·865240	442	10·134760	·093425	154	9·906575	45
16	9·771987	287	·228013	9·865505	441	10·134495	·093518	154	9·906482	44
17	9·772159	287	·227841	9·865770	441	10·134230	·093611	154	9·906389	43
18	9·772331	287	·227669	9·866035	441	10·133965	·093704	155	9·906296	42
19	9·772503	286	·227497	9·866300	441	10·133700	·093796	155	9·906204	41
20	9·772675	286	·227325	9·866564	441	10·133436	·093889	155	9·906111	40
21	9·772847	286	·227153	9·866829	441	10·133171	·093982	155	9·906018	39
22	9·773018	286	·226982	9·867094	441	10·132906	·094075	155	9·905925	38
23	9·773190	286	·226810	9·867358	441	10·132642	·094168	155	9·905832	37
24	9·773361	286	·226639	9·867623	441	10·132377	·094261	155	9·905739	36
25	9·773533	285	·226467	9·867887	441	10·132113	·094355	155	9·905645	35
26	9·773704	285	·226296	9·868152	441	10·131848	·094448	155	9·905552	34
27	9·773875	285	·226125	9·868416	441	10·131584	·094541	155	9·905459	33
28	9·774046	285	·225954	9·868680	441	10·131320	·094634	155	9·905366	32
29	9·774217	285	·225783	9·868945	440	10·131055	·094728	156	9·905272	31
30	9·774388	285	·225612	9·869209	440	10·130791	·094821	156	9·905179	30
31	9·774558	284	·225442	9·869473	440	10·130527	·094915	156	9·905085	29
32	9·774729	284	·225271	9·869737	440	10·130263	·095008	156	9·904992	28
33	9·774899	284	·225101	9·870001	440	10·129999	·095102	156	9·904898	27
34	9·775070	284	·224930	9·870265	440	10·129735	·095196	156	9·904804	26
35	9·775240	284	·224760	9·870529	440	10·129471	·095289	156	9·904711	25
36	9·775410	284	·224590	9·870793	440	10·129207	·095383	156	9·904617	24
37	9·775580	283	·224420	9·871057	440	10·128943	·095477	156	9·904523	23
38	9·775750	283	·224250	9·871321	440	10·128679	·095571	156	9·904429	22
39	9·775920	283	·224080	9·871585	440	10·128415	·095665	157	9·904335	21
40	9·776090	283	·223910	9·871849	440	10·128151	·095759	157	9·904241	20
41	9·776259	283	·223741	9·872112	440	10·127888	·095853	157	9·904147	19
42	9·776429	283	·223571	9·872376	439	10·127624	·095947	157	9·904053	18
43	9·776598	282	·223402	9·872640	439	10·127360	·096041	157	9·903959	17
44	9·776768	282	·223232	9·872903	439	10·127097	·096136	157	9·903864	16
45	9·776937	282	·223063	9·873167	439	10·126833	·096230	157	9·903770	15
46	9·777106	282	·222894	9·873430	439	10·126570	·096324	157	9·903676	14
47	9·777275	282	·222725	9·873694	439	10·126306	·096419	157	9·903581	13
48	9·777444	281	·222556	9·873957	439	10·126043	·096513	157	9·903487	12
49	9·777613	281	·222387	9·874220	439	10·125780	·096608	157	9·903392	11
50	9·777781	281	·222219	9·874484	439	10·125516	·096702	158	9·903298	10
51	9·777950	281	·222050	9·874747	439	10·125253	·096797	158	9·903203	9
52	9·778119	281	·221881	9·875010	439	10·124990	·096892	158	9·903108	8
53	9·778287	281	·221713	9·875273	439	10·124727	·096986	158	9·903014	7
54	9·778455	280	·221545	9·875536	439	10·124464	·097081	158	9·902919	6
55	9·778624	280	·221376	9·875800	439	10·124200	·097176	158	9·902824	5
56	9·778792	280	·221208	9·876063	438	10·123937	·097271	158	9·902729	4
57	9·778960	280	·221040	9·876326	438	10·123674	·097366	158	9·902634	3
58	9·779128	280	·220872	9·876589	438	10·123411	·097461	158	9·902539	2
59	9·779295	280	·220705	9·876851	438	10·123149	·097556	159	9·902444	1
60	9·779463	279	·220537	9·877114	438	10·122886	·097651	159	9·902349	0
′	Cosine.		Secant.	Cotangent.		Tangent.	Cosecant.		Sine.	′

53 DEG.

37 DEG.

′	Sine.	Diff. 100″	Cosecant.	Tangent.	Diff. 100″	Cotangent.	Secant.	Diff. 100″	Cosine.	′
0	9·779463		·220537	9·877114		10·122886	·097651		9·902349	60
1	9·779631	279	·220369	9·877377	438	10·122623	·097747	159	9·902253	59
2	9·779798	279	·220202	9·877640	438	10·122360	·097842	159	9·902158	58
3	9·779966	279	·220034	9·877903	438	10·122097	·097937	159	9·902063	57
4	9·780133	279	·219867	9·878165	438	10·121835	·098033	159	9·901967	56
5	9·780300	279	·219700	9·878428	438	10·121572	·098128	159	9·901872	55
6	9·780467	278	·219533	9·878691	438	10·121309	·098224	159	9·901776	54
7	9·780634	278	·219366	9·878953	438	10·121047	·098319	159	9·901681	53
8	9·780801	278	·219199	9·879216	437	10·120784	·098415	159	9·901585	52
9	9·780968	278	·219032	9·879478	437	10·120522	·098510	159	9·901490	51
10	9·781134	278	·218866	9·879741	437	10·120259	·098606	159	9·901394	50
11	9·781301	278	·218699	9·880003	437	10·119997	·098702	160	9·901298	49
12	9·781468	277	·218532	9·880265	437	10·119735	·098798	160	9·901202	48
13	9·781634	277	·218366	9·880528	437	10·119472	·098894	160	9·901106	47
14	9·781800	277	·218200	9·880790	437	10·119210	·098990	160	9·901010	46
15	9·781966	277	·218034	9·881052	437	10·118948	·099086	160	9·900914	45
16	9·782132	277	·217868	9·881314	437	10·118686	·099182	160	9·900818	44
17	9·782298	277	·217702	9·881576	437	10·118424	·099278	160	9·900722	43
18	9·782464	276	·217536	9·881839	437	10·118161	·099374	160	9·900626	42
19	9·782630	276	·217370	9·882101	437	10·117899	·099471	160	9·900529	41
20	9·782796	276	·217204	9·882363	437	10·117637	·099567	160	9·900433	40
21	9·782961	276	·217039	9·882625	437	10·117375	·099663	161	9·900337	39
22	9·783127	276	·216873	9·882887	436	10·117113	·099760	161	9·900240	38
23	9·783292	276	·216708	9·883148	436	10·116852	·099856	161	9·900144	37
24	9·783458	275	·216542	9·883410	436	10·116590	·099953	161	9·900047	36
25	9·783623	275	·216377	9·883672	436	10·116328	·100049	161	9·899951	35
26	9·783788	275	·216212	9·883934	436	10·116066	·100146	161	9·899854	34
27	9·783953	275	·216047	9·884196	436	10·115804	·100243	161	9·899757	33
28	9·784118	275	·215882	9·884457	436	10·115543	·100340	161	9·899660	32
29	9·784282	275	·215718	9·884719	436	10·115281	·100436	161	9·899564	31
30	9·784447	274	·215553	9·884980	436	10·115020	·100533	161	9·899467	30
31	9·784612	274	·215388	9·885242	436	10·114758	·100630	162	9·899370	29
32	9·784776	274	·215224	9·885503	436	10·114497	·100727	162	9·899273	28
33	9·784941	274	·215059	9·885765	436	10·114235	·100824	162	9·899176	27
34	9·785105	274	·214895	9·886026	436	10·113974	·100922	162	9·899078	26
35	9·785269	274	·214731	9·886288	436	10·113712	·101019	162	9·898981	25
36	9·785433	273	·214567	9·886549	436	10·113451	·101116	162	9·898884	24
37	9·785597	273	·214403	9·886810	436	10·113190	·101213	162	9·898787	23
38	9·785761	273	·214239	9·887072	435	10·112928	·101311	162	9·898689	22
39	9·785925	273	·214075	9·887333	435	10·112667	·101408	162	9·898592	21
40	9·786089	273	·213911	9·887594	435	10·112406	·101506	162	9·898494	20
41	9·786252	273	·213748	9·887855	435	10·112145	·101603	163	9·898397	19
42	9·786416	272	·213584	9·888116	435	10·111884	·101701	163	9·898299	18
43	9·786579	272	·213421	9·888377	435	10·111623	·101798	163	9·898202	17
44	9·786742	272	·213258	9·888639	435	10·111361	·101896	163	9·898104	16
45	9·786906	272	·213094	9·888900	435	10·111100	·101994	163	9·898006	15
46	9·787069	272	·212931	9·889160	435	10·110840	·102092	163	9·897908	14
47	9·787232	272	·212768	9·889421	435	10·110579	·102190	163	9·897810	13
48	9·787395	271	·212605	9·889682	435	10·110318	·102288	163	9·897712	12
49	9·787557	271	·212443	9·889943	435	10·110057	·102386	163	9·897614	11
50	9·787720	271	·212280	9·890204	435	10·109796	·102484	163	9·897516	10
51	9·787883	271	·212117	9·890465	435	10·109535	·102582	163	9·897418	9
52	9·788045	271	·211955	9·890725	435	10·109275	·102680	164	9·897320	8
53	9·788208	271	·211792	9·890986	434	10·109014	·102778	164	9·897222	7
54	9·788370	271	·211630	9·891247	434	10·108753	·102877	164	9·897123	6
55	9·788532	270	·211468	9·891507	434	10·108493	·102975	164	9·897025	5
56	9·788694	270	·211306	9·891768	434	10·108232	·103074	164	9·896926	4
57	9·788856	270	·211144	9·892028	434	10·107972	·103172	164	9·896828	3
58	9·789018	270	·210982	9·892289	434	10·107711	·103271	164	9·896729	2
59	9·789180	270	·210820	9·892549	434	10·107451	·103369	164	9·896631	1
60	9·789342	270	·210658	9·892810	434	10·107190	·103468	164	9·896532	0
′	Cosine.		Secant.	Cotangent.		Tangent.	Cosecant.		Sine.	′

52 DEG.

38 DEG.

′	Sine.	Diff. 100″	Cosecant.	Tangent.	Diff. 100″	Cotangent.	Secant.	Diff. 100″	Cosine.	′
0	9·789342		·210658	9·892810		10·107190	·103468		9·896532	60
1	9·789504	269	·210496	9·893070	434	10·106930	·103567	164	9·896433	59
2	9·789665	269	·210335	9·893331	434	10·106669	·103665	165	9·896335	58
3	9·789827	269	·210173	9·893591	434	10·106409	·103764	165	9·896236	57
4	9·789988	269	·210012	9·893851	434	10·106149	·103863	165	9·896137	56
5	9·790149	269	·209851	9·894111	434	10·105889	·103962	165	9·896038	55
6	9·790310	269	·209690	9·894371	434	10·105629	·104061	165	9·895939	54
7	9·790471	268	·209529	9·894632	434	10·105368	·104160	165	9·895840	53
8	9·790632	268	·209368	9·894892	434	10·105108	·104259	165	9·895741	52
9	9·790793	268	·209207	9·895152	433	10·104848	·104359	165	9·895641	51
10	9·790954	268	·209046	9·895412	433	10·104588	·104458	165	9·895542	50
11	9·791115	268	·208885	9·895672	433	10·104328	·104557	165	9·895443	49
12	9·791275	268	·208725	9·895932	433	10·104068	·104657	166	9·895343	48
13	9·791436	267	·208564	9·896192	433	10·103808	·104756	166	9·895244	47
14	9·791596	267	·208404	9·896452	433	10·103548	·104855	166	9·895145	46
15	9·791757	267	·208243	9·896712	433	10·103288	·104955	166	9·895045	45
16	9·791917	267	·208083	9·896971	433	10·103029	·105055	166	9·894945	44
17	9·792077	267	·207923	9·897231	433	10·102769	·105154	166	9·894846	43
18	9·792237	267	·207763	9·897491	433	10·102509	·105254	166	9·894746	42
19	9·792397	266	·207603	9·897751	433	10·102249	·105354	166	9·894646	41
20	9·792557	266	·207443	9·898010	433	10·101990	·105454	166	9·894546	40
21	9·792716	266	·207284	9·898270	433	10·101730	·105554	166	9·894446	39
22	9·792876	266	·207124	9·898530	433	10·101470	·105654	167	9·894346	38
23	9·793035	266	·206965	9·898789	433	10·101211	·105754	167	9·894246	37
24	9·793195	266	·206805	9·899049	433	10·100951	·105854	167	9·894146	36
25	9·793354	265	·206646	9·899308	432	10·100692	·105954	167	9·894046	35
26	9·793514	265	·206486	9·899568	432	10·100432	·106054	167	9·893946	34
27	9·793673	265	·206327	9·899827	432	10·100173	·106154	167	9·893846	33
28	9·793832	265	·206168	9·900086	432	10·099914	·106255	167	9·893745	32
29	9·793991	265	·206009	9·900346	432	10·099654	·106355	167	9·893645	31
30	9·794150	265	·205850	9·900605	432	10·099395	·106456	167	9·893544	30
31	9·794308	264	·205692	9·900864	432	10·099136	·106556	167	9·893444	29
32	9·794467	264	·205533	9·901124	432	10·098876	·106657	168	9·893343	28
33	9·794626	264	·205374	9·901383	432	10·098617	·106757	168	9·893243	27
34	9·794784	264	·205216	9·901642	432	10·098358	·106858	168	9·893142	26
35	9·794942	264	·205058	9·901901	432	10·098099	·106959	168	9·893041	25
36	9·795101	264	·204899	9·902160	432	10·097840	·107060	168	9·892940	24
37	9·795259	264	·204741	9·902419	432	10·097581	·107161	168	9·892839	23
38	9·795417	263	·204583	9·902679	432	10·097321	·107261	168	9·892739	22
39	9·795575	263	·204425	9·902938	432	10·097062	·107362	168	9·892638	21
40	9·795733	263	·204267	9·903197	432	10·096803	·107464	168	9·892536	20
41	9·795891	263	·204109	9·903455	432	10·096545	·107565	168	9·892435	19
42	9·796049	263	·203951	9·903714	431	10·096286	·107666	169	9·892334	18
43	9·796206	263	·203794	9·903973	431	10·096027	·107767	169	9·892233	17
44	9·796364	263	·203636	9·904232	431	10·095768	·107868	169	9·892132	16
45	9·796521	262	·203479	9·904491	431	10·095509	·107970	169	9·892030	15
46	9·796679	262	·203321	9·904750	431	10·095250	·108071	169	9·891929	14
47	9·796836	262	·203164	9·905008	431	10·094992	·108173	169	9·891827	13
48	9·796993	262	·203007	9·905267	431	10·094733	·108274	169	9·891726	12
49	9·797150	262	·202850	9·905526	431	10·094474	·108376	169	9·891624	11
50	9·797307	262	·202693	9·905784	431	10·094216	·108477	169	9·891523	10
51	9·797464	261	·202536	9·906043	431	10·093957	·108579	169	9·891421	9
52	9·797621	261	·202379	9·906302	431	10·093698	·108681	170	9·891319	8
53	9·797777	261	·202223	9·906560	431	10·093440	·108783	170	9·891217	7
54	9·797934	261	·202066	9·906819	431	10·093181	·108885	170	9·891115	6
55	9·798091	261	·201909	9·907077	431	10·092923	·108987	170	9·891013	5
56	9·798247	261	·201753	9·907336	431	10·092664	·109089	170	9·890911	4
57	9·798403	261	·201597	9·907594	431	10·092406	·109191	170	9·890809	3
58	9·798560	260	·201440	9·907852	431	10·092148	·109293	170	9·890707	2
59	9·798716	260	·201284	9·908111	431	10·091889	·109395	170	9·890605	1
60	9·798872	260	·201128	9·908369	431	10·091631	·109497	170	9·890503	0
′	Cosine.		Secant.	Cotangent.		Tangent.	Cosecant.		Sine.	′

51 DEG.

39 DEG.

′	Sine.	Diff. 100″	Cosecant.	Tangent.	Diff. 100″	Cotangent.	Secant.	Diff. 100	Cosine.	′
0	9·798872		·201128	9·908369		10·091631	·109497		9·890503	60
1	9·799028	260	·200972	9·908628	430	10·091372	·109600	170	9·890400	59
2	9·799184	260	·200816	9·908886	430	10·091114	·109702	171	9·890298	58
3	9·799339	260	·200661	9·909144	430	10·090856	·109805	171	9·890195	57
4	9·799495	259	·200505	9·909402	430	10·090598	·109907	171	9·890093	56
5	9·799651	259	·200349	9·909660	430	10·090340	·110010	171	9·889990	55
6	9·799806	259	·200194	9·909918	430	10·090082	·110112	171	9·889888	54
7	9·799962	259	·200038	9·910177	430	10·089823	·110215	171	9·889785	53
8	9·800117	259	·199883	9·910435	430	10·089565	·110318	171	9·889682	52
9	9·800272	259	·199728	9·910693	430	10·089307	·110421	171	9·889579	51
10	9·800427	258	·199573	9·910951	430	10·089049	·110523	171	9·889477	50
11	9·800582	258	·199418	9·911209	430	10·088791	·110626	171	9·889374	49
12	9·800737	258	·199263	9·911467	430	10·088533	·110729	172	9·889271	48
13	9·800892	258	·199108	9·911724	430	10·088276	·110832	172	9·889168	47
14	9·801047	258	·198953	9·911982	430	10·088018	·110936	172	9·889064	46
15	9·801201	258	·198799	9·912240	430	10·087760	·111039	172	9·888961	45
16	9·801356	258	·198644	9·912498	430	10·087502	·111142	172	9·888858	44
17	9·801511	257	·198489	9·912756	430	10·087244	·111245	172	9·888755	43
18	9·801665	257	·198335	9·913014	430	10·086986	·111349	172	9·888651	42
19	9·801819	257	·198181	9·913271	430	10·086729	·111452	172	9·888548	41
20	9·801973	257	·198027	9·913529	429	10·086471	·111556	172	9·888444	40
21	9·802128	257	·197872	9·913787	429	10·086213	·111659	173	9·888341	39
22	9·802282	257	·197718	9·914044	429	10·085956	·111763	173	9·888237	38
23	9·802436	256	·197564	9·914302	429	10·085698	·111866	173	9·888134	37
24	9·802589	256	·197411	9·914560	429	10·085440	·111970	173	9·888030	36
25	9·802743	256	·197257	9·914817	429	10·085183	·112074	173	9·887926	35
26	9·802897	256	·197103	9·915075	429	10·084925	·112178	173	9·887822	34
27	9·803050	256	·196950	9·915332	429	10·084668	·112282	173	9·887718	33
28	9·803204	256	·196796	9·915590	429	10·084410	·112386	173	9·887614	32
29	9·803357	256	·196643	9·915847	429	10·084153	·112490	173	9·887510	31
30	9·803511	255	·196489	9·916104	429	10·083896	·112594	173	9·887406	30
31	9·803664	255	·196336	9·916362	429	10·083638	·112698	174	9·887302	29
32	9·803817	255	·196183	9·916619	429	10·083381	·112802	174	9·887198	28
33	9·803970	255	·196030	9·916877	429	10·083123	·112907	174	9·887093	27
34	9·804123	255	·195877	9·917134	429	10·082866	·113011	174	9·886989	26
35	9·804276	255	·195724	9·917391	429	10·082609	·113115	174	9·886885	25
36	9·804428	254	·195572	9·917648	429	10·082352	·113220	174	9·886780	24
37	9·804581	254	·195419	9·917905	429	10·082095	·113324	174	9·886676	23
38	9·804734	254	·195266	9·918163	429	10·081837	·113429	174	9·886571	22
39	9·804886	254	·195114	9·918420	429	10·081580	·113534	174	9·886466	21
40	9·805039	254	·194961	9·918677	429	10·081323	·113638	174	9·886362	20
41	9·805191	254	·194809	9·918934	429	10·081066	·113743	175	9·886257	19
42	9·805342	254	·194657	9·919191	428	10·080809	·113848	175	9·886152	18
43	9·805495	253	·194505	9·919448	428	10·080552	·113953	175	9·886047	17
44	9·805647	253	·194353	9·919705	428	10·080295	·114058	175	9·885942	16
45	9·805799	253	·194201	9·919962	428	10·080038	·114163	175	9·885837	15
46	9·805951	253	·194049	9·920219	428	10·079781	·114268	175	9·885732	14
47	9·806103	253	·193897	9·920476	428	10·079524	·114373	175	9·885627	13
48	9·806254	253	·193746	9·920733	428	10·079267	·114478	175	9·885522	12
49	9·806406	253	·193594	9·920990	428	10·079010	·114584	175	9·885416	11
50	9·806557	252	·193443	9·921247	428	10·078753	·114689	175	9·885311	10
51	9·806709	252	·193291	9·921503	428	10·078497	·114795	176	9·885205	9
52	9·806860	252	·193140	9·921760	428	10·078240	·114900	176	9·885100	8
53	9·807011	252	·192989	9·922017	428	10·077983	·115006	176	9·884994	7
54	9·807163	252	·192837	9·922274	428	10·077726	·115111	176	9·884889	6
55	9·807314	252	·192686	9·922530	428	10·077470	·115217	176	9·884783	5
56	9·807465	252	·192535	9·922787	428	10·077213	·115323	176	9·884677	4
57	9·807615	251	·192385	9·923044	428	10·076956	·115428	176	9·884572	3
58	9·807766	251	·192234	9·923300	428	10·076700	·115534	176	9·884466	2
59	9·807917	251	·192083	9·923557	428	10·076443	·115640	176	9·884360	1
60	9·808067	251	·191933	9·923813	428	10·076187	·115746	176	9·884254	0
′	Cosine.		Secant.	Cotangent.		Tangent.	Cosecant.		Sine.	′

50 DEG.

40 DEG.

′	Sine.	Diff. 100″	Cosecant.	Tangent.	Diff. 100″	Cotangent.	Secant.	Diff. 100″	Cosine.	′
0	9·808067		·191933	9·923813		10·076187	·115746		9·884254	60
1	9·808218	251	·191782	9·924070	428	10·075930	·115852	177	9·884148	59
2	9·808368	251	·191632	9·924327	428	10·075673	·115958	177	9·884042	58
3	9·808519	251	·191481	9·924583	428	10·075417	·116064	177	9·883936	57
4	9·808669	250	·191331	9·924840	427	10·075160	·116171	177	9·883829	56
5	9·808819	250	·191181	9·925096	427	10·074904	·116277	177	9·883723	55
6	9·808969	250	·191031	9·925352	427	10·074648	·116383	177	9·883617	54
7	9·809119	250	·190881	9·925609	427	10·074391	·116490	177	9·883510	53
8	9·809269	250	·190731	9·925865	427	10·074135	·116596	177	9·883404	52
9	9·809419	250	·190581	9·926122	427	10·073878	·116703	177	9·883297	51
10	9·809569	249	·190431	9·926378	427	10·073622	·116809	178	9·883191	50
11	9·809718	249	·190282	9·926634	427	10·073366	·116916	178	9·883084	49
12	9·809868	249	·190132	9·926890	427	10·073110	·117023	178	9·882977	48
13	9·810017	249	·189983	9·927147	427	10·072853	·117129	178	9·882871	47
14	9·810167	249	·189833	9·927403	427	10·072597	·117236	178	9·882764	46
15	9·810316	249	·189684	9·927659	427	10·072341	·117343	178	9·882657	45
16	9·810465	248	·189535	9·927915	427	10·072085	·117450	178	9·882550	44
17	9·810614	248	·189386	9·928171	427	10·071829	·117557	178	9·882443	43
18	9·810763	248	·189237	9·928427	427	10·071573	·117664	178	9·882336	42
19	9·810912	248	·189088	9·928683	427	10·071317	·117771	179	9·882229	41
20	9·811061	248	·188939	9·928940	427	10·071060	·117879	179	9·882121	40
21	9·811210	248	·188790	9·929196	427	10·070804	·117986	179	9·882014	39
22	9·811358	248	·188642	9·929452	427	10·070548	·118093	179	9·881907	38
23	9·811507	247	·188493	9·929708	427	10·070292	·118201	179	9·881799	37
24	9·811655	247	·188345	9·929964	427	10·070036	·118308	179	9·881692	36
25	9·811804	247	·188196	9·930220	427	10·069780	·118416	179	9·881584	35
26	9·811952	247	·188048	9·930475	427	10·069525	·118523	179	9·881477	34
27	9·812100	247	·187900	9·930731	427	10·069269	·118631	179	9·881369	33
28	9·812248	247	·187752	9·930987	426	10·069013	·118739	179	9·881261	32
29	9·812396	247	·187604	9·931243	426	10·068757	·118847	180	9·881153	31
30	9·812544	246	·187456	9·931499	426	10·068501	·118954	180	9·881046	30
31	9·812692	246	·187308	9·931755	426	10·068245	·119062	180	9·880938	29
32	9·812840	246	·187160	9·932010	426	10·067990	·119170	180	9·880830	28
33	9·812988	246	·187012	9·932266	426	10·067734	·119178	180	9·880722	27
34	9·813135	246	·186865	9·932522	426	10·067478	·119387	180	9·880613	26
35	9·813283	246	·186717	9·932778	426	10·067222	·119495	180	9·880505	25
36	9·813430	246	·186570	9·933033	426	10·066967	·119603	180	9·880397	24
37	9·813578	245	·186422	9·933289	426	10·066711	·119711	180	9·880289	23
38	9·813725	245	·186275	9·933545	426	10·066455	·119820	181	9·880180	22
39	9·813872	245	·186128	9·933800	426	10·066200	·119928	181	9·880072	21
40	9·814019	245	·185981	9·934056	426	10·065944	·120037	181	9·879963	20
41	9·814166	245	·185834	9·934311	426	10·065689	·120145	181	9·879855	19
42	9·814313	245	·185687	9·934567	426	10·065433	·120254	181	9·879746	18
43	9·814460	245	·185540	9·934823	426	10·065177	·120363	181	9·879637	17
44	9·814607	244	·185393	9·935078	426	10·064922	·120471	181	9·879529	16
45	9·814753	244	·185247	9·935333	426	10·064667	·120580	181	9·879420	15
46	9·814900	244	·185100	9·935589	426	10·064411	·120689	181	9·879311	14
47	9·815046	244	·184954	9·935844	426	10·064156	·120798	181	9·879202	13
48	9·815193	244	·184807	9·936100	426	10·063900	·120907	182	9·879093	12
49	9·815339	244	·184661	9·936355	426	10·063645	·121016	182	9·878984	11
50	9·815485	244	·184515	9·936610	426	10·063390	·121125	182	9·878875	10
51	9·815632	243	·184368	9·936866	426	10·063134	·121234	182	9·878766	9
52	9·815778	243	·184222	9·937121	426	10·062879	·121344	182	9·878656	8
53	9·815924	243	·184076	9·937376	426	10·062624	·121453	182	9·878547	7
54	9·816069	243	·183931	9·937632	425	10·062368	·121562	182	9·878438	6
55	9·816215	243	·183785	9·937887	425	10·062113	·121672	182	9·878328	5
56	9·816361	243	·183639	9·938142	425	10·061858	·121781	182	9·878219	4
57	9·816507	243	·183493	9·938398	425	10·061602	·121891	183	9·878109	3
58	9·816652	242	·183348	9·938653	425	10·061347	·122001	183	9·877999	2
59	9·816798	242	·183202	9·938908	425	10·061092	·122110	183	9·877890	1
60	9·816943	242	·183057	9·939163	425	10·060837	·122220	183	9·877780	0
′	Cosine.		Secant.	Cotangent.		Tangent.	Cosecant.		Sine.	′

49 DEG.

41 DEG.

′	Sine.	Diff. 100″	Cosecant.	Tangent.	Diff. 100″	Cotangent.	Secant.	Diff. 100″	Cosine.	′
0	9·816943		·183057	9·939163		10·060837	·122220		9·877780	60
1	9·817088	242	·182912	9·939418	425	10·060582	·122330	183	9·877670	59
2	9·817233	242	·182767	9·939673	425	10·060327	·122440	183	9·877560	58
3	9·817379	242	·182621	9·939928	425	10·060072	·122550	183	9·877450	57
4	9·817524	242	·182476	9·940183	425	10·059817	·122660	183	9·877340	56
5	9·817668	241	·182332	9·940438	425	10·059562	·122770	183	9·877230	55
6	9·817813	241	·182187	9·940694	425	10·059306	·122880	184	9·877120	54
7	9·817958	241	·182042	9·940949	425	10·059051	·122990	184	9·877010	53
8	9·818103	241	·181897	9·941204	425	10·058796	·123101	184	9·876899	52
9	9·818247	241	·181753	9·941458	425	10·058542	·123211	184	9·876789	51
10	9·818392	241	·181608	9·941714	425	10·058286	·123322	184	9·876678	50
11	9·818536	241	·181464	9·941968	425	10·058032	·123432	184	9·876568	49
12	9·818681	240	·181319	9·942223	425	10·057777	·123543	184	9·876457	48
13	9·818825	240	·181175	9·942478	425	10·057522	·123653	184	9·876347	47
14	9·818969	240	·181031	9·942733	425	10·057267	·123764	184	9·876236	46
15	9·819113	240	·180887	9·942988	425	10·057012	·123875	185	9·876125	45
16	9·819257	240	·180743	9·943243	425	10·056757	·123986	185	9·876014	44
17	9·819401	240	·180599	9·943498	425	10·056502	·124096	185	9·875904	43
18	9·819545	240	·180455	9·943752	425	10·056248	·124207	185	9·875793	42
19	9·819689	239	·180311	9·944007	425	10·055993	·124318	185	9·875682	41
20	9·819832	239	·180168	9·944262	425	10·055738	·124429	185	9·875571	40
21	9·819976	239	·180024	9·944517	425	10·055483	·124541	185	9·875459	39
22	9·820120	239	·179880	9·944771	425	10·055229	·124652	185	9·875348	38
23	9·820263	239	·179737	9·945026	425	10·054974	·124763	185	9·875237	37
24	9·820406	239	·179594	9·945281	425	10·054719	·124874	185	9·875126	36
25	9·820550	239	·179450	9·945535	425	10·054465	·124986	186	9·875014	35
26	9·820693	238	·179307	9·945790	425	10·054210	·125097	186	9·874903	34
27	9·820836	238	·179164	9·946045	425	10·053955	·125209	186	9·874791	33
28	9·820979	238	·179021	9·946299	425	10·053701	·125320	186	9·874680	32
29	9·821122	238	·178878	9·946554	425	10·053446	·125432	186	9·874568	31
30	9·821265	238	·178735	9·946808	425	10·053192	·125544	186	9·874456	30
31	9·821407	238	·178593	9·947063	425	10·052937	·125656	186	9·874344	29
32	9·821550	238	·178450	9·947318	424	10·052682	·125768	186	9·874232	28
33	9·821693	238	·178307	9·947572	424	10·052428	·125879	186	9·874121	27
34	9·821835	237	·178165	9·947826	424	10·052174	·125991	187	9·874009	26
35	9·821977	237	·178023	9·948081	424	10·051919	·126104	187	9·873896	25
36	9·822120	237	·177880	9·948336	424	10·051664	·126216	187	9·873784	24
37	9·822262	237	·177738	9·948590	424	10·051410	·126328	187	9·873672	23
38	9·822404	237	·177596	9·948844	424	10·051156	·126440	187	9·873560	22
39	9·822546	237	·177454	9·949099	424	10·050901	·126552	187	9·873448	21
40	9·822688	237	·177312	9·949353	424	10·050647	·126665	187	9·873335	20
41	9·822830	236	·177170	9·949607	424	10·050393	·126777	187	9·873223	19
42	9·822972	236	·177028	9·949862	424	10·050138	·126890	187	9·873110	18
43	9·823114	236	·176886	9·950116	424	10·049884	·127002	188	9·872998	17
44	9·823255	236	·176745	9·950370	424	10·049630	·127115	188	9·872885	16
45	9·823397	236	·176603	9·950625	424	10·049375	·127228	188	9·872772	15
46	9·823539	236	·176461	9·950879	424	10·049121	·127341	188	9·872659	14
47	9·823680	236	·176320	9·951133	424	10·048867	·127453	188	9·872547	13
48	9·823821	235	·176179	9·951388	424	10·048612	·127566	188	9·872434	12
49	9·823963	235	·176037	9·951642	424	10·048358	·127679	188	9·872321	11
50	9·824104	235	·175896	9·951896	424	10·048104	·127792	188	9·872208	10
51	9·824245	235	·175755	9·952150	424	10·047850	·127905	188	9·872095	9
52	9·824386	235	·175614	9·952405	424	10·047595	·128019	189	9·871981	8
53	9·824527	235	·175473	9·952659	424	10·047341	·128132	189	9·871868	7
54	9·824668	235	·175332	9·952913	424	10·047087	·128245	189	9·871755	6
55	9·824808	234	·175192	9·953167	424	10·046833	·128359	189	9·871641	5
56	9·824949	234	·175051	9·953421	423	10·046579	·128472	189	9·871528	4
57	9·825090	234	·174910	9·953675	423	10·046325	·128586	189	9·871414	3
58	9·825230	234	·174770	9·953929	423	10·046071	·128699	189	9·871301	2
59	9·825371	234	·174629	9·954183	423	10·045817	·128813	189	9·871187	1
60	9·825511	234	·174489	9·954437	423	10·045563	·128927	189	9·871073	0
′	Cosine.		Secant.	Cotangent.		Tangent.	Cosecant.		Sine.	′

48 DEG.

42 DEG.

′	Sine.	Diff. 100″	Cosecant.	Tangent.	Diff. 100″	Cotangent.	Secant.	Diff. 100″	Cosine.	′
0	9·825511		·174489	9·954437		10·045563	·128927		9·871073	60
1	9·825651	234	·174349	9·954691	423	10·045309	·129040	190	9·870960	59
2	9·825791	233	·174209	9·954945	423	10·045055	·129154	190	9·870846	58
3	9·825931	233	·174069	9·955200	423	10·044800	·129268	190	9·870732	57
4	9·826071	233	·173929	9·955454	423	10·044546	·129382	190	9·870618	56
5	9·826211	233	·173789	9·955707	423	10·044293	·129496	190	9·870504	55
6	9·826351	233	·173649	9·955961	423	10·044039	·129610	190	9·870390	54
7	9·826491	233	·173509	9·956215	423	10·043785	·129724	190	9·870276	53
8	9·826631	233	·173369	9·956469	423	10·043531	·129839	190	9·870161	52
9	9·826770	233	·173230	9·956723	423	10·043277	·129953	190	9·870047	51
10	9·826910	232	·173090	9·956977	423	10·043023	·130067	191	9·869933	50
11	9·827049	232	·172951	9·957231	423	10·042769	·130182	191	9·869818	49
12	9·827189	232	·172811	9·957485	423	10·042515	·130296	191	9·869704	48
13	9·827328	232	·172672	9·957739	423	10·042261	·130411	191	9·869589	47
14	9·827467	232	·172533	9·957993	423	10·042007	·130526	191	9·869474	46
15	9·827606	232	·172394	9·958246	423	10·041754	·130640	191	9·869360	45
16	9·827745	232	·172255	9·958500	423	10·041500	·130755	191	9·869245	44
17	9·827884	232	·172116	9·958754	423	10·041246	·130870	191	9·869130	43
18	9·828023	231	·171977	9·959008	423	10·040992	·130985	191	9·869015	42
19	9·828162	231	·171838	9·959262	423	10·040738	·131100	192	9·868900	41
20	9·828301	231	·171699	9·959516	423	10·040484	·131215	192	9·868785	40
21	9·828439	231	·171561	9·959769	423	10·040231	·131330	192	9·868670	39
22	9·828578	231	·171422	9·960023	423	10·039977	·131445	192	9·868555	38
23	9·828716	231	·171284	9·960277	423	10·039723	·131560	192	9·868440	37
24	9·828855	231	·171145	9·960531	423	10·039469	·131676	192	9·868324	36
25	9·828993	230	·171007	9·960784	423	10·039216	·131791	192	9·868209	35
26	9·829131	230	·170869	9·961038	423	10·038962	·131907	192	9·868093	34
27	9·829269	230	·170731	9·961291	423	10·038709	·132022	192	9·867978	33
28	9·829407	230	·170593	9·961545	423	10·038455	·132138	193	9·867862	32
29	9·829545	230	·170455	9·961799	423	10·038201	·132253	193	9·867747	31
30	9·829683	230	·170317	9·962052	423	10·037948	·132369	193	9·867631	30
31	9·829821	230	·170179	9·962306	423	10·037694	·132485	193	9·867515	29
32	9·829959	229	·170041	9·962560	423	10·037440	·132601	193	9·867399	28
33	9·830097	229	·169903	9·962813	423	10·037187	·132717	193	9·867283	27
34	9·830234	229	·169766	9·963067	423	10·036933	·132833	193	9·867167	26
35	9·830372	229	·169628	9·963320	423	10·036680	·132949	193	9·867051	25
36	9·830509	229	·169491	9·963574	423	10·036426	·133065	193	9·866935	24
37	9·830646	229	·169354	9·963827	423	10·036173	·133181	194	9·866819	23
38	9·830784	229	·169216	9·964081	423	10·035919	·133297	194	9·866703	22
39	9·830921	229	·169079	9·964335	423	10·035665	·133414	194	9·866586	21
40	9·831058	228	·168942	9·964588	423	10·035412	·133530	194	9·866470	20
41	9·831195	228	·168805	9·964842	423	10·035158	·133647	194	9·866353	19
42	9·831332	228	·168668	9·965095	422	10·034905	·133763	194	9·866237	18
43	9·831469	228	·168531	9·965349	422	10·034651	·133880	194	9·866120	17
44	9·831606	228	·168394	9·965602	422	10·034398	·133996	194	9·866004	16
45	9·831742	228	·168258	9·965855	422	10·034145	·134113	195	9·865887	15
46	9·831879	228	·168121	9·966109	422	10·033891	·134230	195	9·865770	14
47	9·832015	228	·167985	9·966362	422	10·033638	·134347	195	9·865653	13
48	9·832152	227	·167848	9·966616	422	10·033384	·134464	195	9·865536	12
49	9·832288	227	·167712	9·966869	422	10·033131	·134581	195	9·865419	11
50	9·832425	227	·167575	9·967123	422	10·032877	·134698	195	9·865302	10
51	9·832561	227	·167439	9·967376	422	10·032624	·134815	195	9·865185	9
52	9·832697	227	·167303	9·967629	422	10·032371	·134932	195	9·865068	8
53	9·832833	227	·167167	9·967883	422	10·032117	·135050	195	9·864950	7
54	9·832969	227	·167031	9·968136	422	10·031864	·135167	195	9·864833	6
55	9·833105	226	·166895	9·968389	422	10·031611	·135284	196	9·864716	5
56	9·833241	226	·166759	9·968643	422	10·031357	·135402	196	9·864598	4
57	9·833377	226	·166623	9·968896	422	10·031104	·135519	196	9·864481	3
58	9·833512	226	·166488	9·969149	422	10·030851	·135637	196	9·864363	2
59	9·833648	226	·166352	9·969403	422	10·030597	·135755	196	9·864245	1
60	9·833783	226	·166217	9·969656	422	10·030344	·135873	196	9·864127	0
′	Cosine.		Secant.	Cotangent.		Tangent.	Cosecant.		Sine.	′

43 DEG.

′	Sine.	Diff. 100″	Cosecant.	Tangent.	Diff. 100″	Cotangent.	Secant.	Diff. 100″	Cosine.	′
0	9·833783		·166217	9·969656		10·030344	·135873		9·864127	60
1	9·833919	226	·166081	9·969909	422	10·030091	·135990	196	9·864010	59
2	9·834054	225	·165946	9·970162	422	10·029838	·136108	196	9·863892	58
3	9·834189	225	·165811	9·970416	422	10·029584	·136226	197	9·863774	57
4	9·834325	225	·165675	9·970669	422	10·029331	·136344	197	9·863656	56
5	9·834460	225	·165540	9·970922	422	10·029078	·136462	197	9·863538	55
6	9·834595	225	·165405	9·971175	422	10·028825	·136581	197	9·863419	54
7	9·834730	225	·165270	9·971429	422	10·028571	·136699	197	9·863301	53
8	9·834865	225	·165135	9·971682	422	10·028318	·136817	197	9·863183	52
9	9·834999	225	·165001	9·971935	422	10·028065	·136936	197	9·863064	51
10	9·835134	224	·164866	9·972188	422	10·027812	·137054	197	9·862946	50
11	9·835269	224	·164731	9·972441	422	10·027559	·137173	198	9·862827	49
12	9·835403	224	·164597	9·972694	422	10·027306	·137291	198	9·862709	48
13	9·835538	224	·164462	9·972948	422	10·027052	·137410	198	9·862590	47
14	9·835672	224	·164328	9·973201	422	10·026799	·137529	198	9·862471	46
15	9·835807	224	·164193	9·973454	422	10·026546	·137647	198	9·862353	45
16	9·835941	224	·164059	9·973707	422	10·026293	·137766	198	9·862234	44
17	9·836075	224	·163925	9·973960	422	10·026040	·137885	198	9·862115	43
18	9·836209	223	·163791	9·974213	422	10·025787	·138004	198	9·861996	42
19	9·836343	223	·163657	9·974466	422	10·025534	·138123	198	9·861877	41
20	9·836477	223	·163523	9·974719	422	10·025281	·138242	198	9·861758	40
21	9·836611	223	·163389	9·974973	422	10·025027	·138362	199	9·861638	39
22	9·836745	223	·163255	9·975226	422	10·024774	·138481	199	9·861519	38
23	9·836878	223	·163122	9·975479	422	10·024521	·138600	199	9·861400	37
24	9·837012	223	·162988	9·975732	422	10·024268	·138720	199	9·861280	36
25	9·837146	222	·162854	9·975985	422	10·024015	·138839	199	9·861161	35
26	9·837279	222	·162721	9·976238	422	10·023762	·138959	199	9·861041	34
27	9·837412	222	·162588	9·976491	422	10·023509	·139078	199	9·860922	33
28	9·837546	222	·162454	9·976744	422	10·023256	·139198	199	9·860802	32
29	9·837679	222	·162321	9·976997	422	10·023003	·139318	199	9·860682	31
30	9·837812	222	·162188	9·977250	422	10·022750	·139438	200	9·860562	30
31	9·837945	222	·162055	9·977503	422	10·022497	·139558	200	9·860442	29
32	9·838078	222	·161922	9·977756	422	10·022244	·139678	200	9·860322	28
33	9·838211	221	·161789	9·978009	422	10·021991	·139798	200	9·860202	27
34	9·838344	221	·161656	9·978262	422	10·021738	·139918	200	9·860082	26
35	9·838477	221	·161523	9·978515	422	10·021485	·140038	200	9·859962	25
36	9·838610	221	·161390	9·978768	422	10·021232	·140158	200	9·859842	24
37	9·838742	221	·161258	9·979021	422	10·020979	·140279	200	9·859721	23
38	9·838875	221	·161125	9·979274	422	10·020726	·140399	201	9·859601	22
39	9·839007	221	·160993	9·979527	422	10·020473	·140520	201	9·859480	21
40	9·839140	221	·160860	9·979780	422	10·020220	·140640	201	9·859360	20
41	9·839272	220	·160728	9·980033	422	10·019967	·140761	201	9·859239	19
42	9·839404	220	·160596	9·980286	422	10·019714	·140881	201	9·859119	18
43	9·839536	220	·160464	9·980538	422	10·019462	·141002	201	9·858998	17
44	9·839668	220	·160332	9·980791	422	10·019209	·141123	201	9·858877	16
45	9·839800	220	·160200	9·981044	422	10·018956	·141244	201	9·858756	15
46	9·839932	220	·160068	9·981297	422	10·018703	·141365	202	9·858635	14
47	9·840064	220	·159936	9·981550	422	10·018450	·141486	202	9·858514	13
48	9·840196	219	·159804	9·981803	422	10·018197	·141607	202	9·858393	12
49	9·840328	219	·159672	9·982056	422	10·017944	·141728	202	9·858272	11
50	9·840459	219	·159541	9·982309	422	10·017691	·141849	202	9·858151	10
51	9·840591	219	·159409	9·982562	421	10·017438	·141971	202	9·858029	9
52	9·840722	219	·159278	9·982814	421	10·017186	·142092	202	9·857908	8
53	9·840854	219	·159146	9·983067	421	10·016933	·142214	202	9·857786	7
54	9·840985	219	·159015	9·983320	421	10·016680	·142335	202	9·857665	6
55	9·841116	219	·158884	9·983573	421	10·016427	·142457	203	9·857543	5
56	9·841247	218	·158753	9·983826	421	10·016174	·142578	203	9·857422	4
57	9·841378	218	·158622	9·984079	421	10·015921	·142700	203	9·857300	3
58	9·841509	218	·158491	9·984331	421	10·015669	·142822	203	9·857178	2
59	9·841640	218	·158360	9·984584	421	10·015416	·142944	203	9·857056	1
60	9·841771	218	·158229	9·984837	421	10·015163	·143066	203	9·856934	0
′	Cosine.		Secant.	Cotangent.		Tangent.	Cosecant.		Sine.	′

46 DEG.

44 DEG.

	Sine.	Diff. 100″	Cosecant.	Tangent.	Diff. 100″	Cotangent.	Secant.	Diff. 100″	Cosine.	′
0	9·841771		·158229	9·984837		10·015163	·143066		9·856934	60
1	9·841902	218	·158098	9·985090	421	10·014910	·143188	203	9·856812	59
2	9·842033	218	·157967	9·985343	421	10·014657	·143310	203	9·856690	58
3	9·842163	218	·157837	9·985596	421	10·014404	·143432	204	9·856568	57
4	9·842294	217	·157706	9·985848	421	10·014152	·143554	204	9·856446	56
5	9·842424	217	·157576	9·986101	421	10·013899	·143677	204	9·856323	55
6	9·842555	217	·157445	9·986354	421	10·013646	·143799	204	9·856201	54
7	9·842685	217	·157315	9·986607	421	10·013393	·143922	204	9·856078	53
8	9·842815	217	·157185	9·986860	421	10·013140	·144044	204	9·855956	52
9	9·842946	217	·157054	9·987112	421	10·012888	·144167	204	9·855833	51
10	9·843076	217	·156924	9·987365	421	10·012635	·144289	204	9·855711	50
11	9·843206	217	·156794	9·987618	421	10·012382	·144412	205	9·855588	49
12	9·843336	216	·156664	9·987871	421	10·012129	·144535	205	9·855465	48
13	9·843466	216	·156534	9·988123	421	10·011877	·144658	205	9·855342	47
14	9·843595	216	·156405	9·988376	421	10·011624	·144781	205	9·855212	46
15	9·843725	216	·156275	9·988629	421	10·011371	·144904	205	9·855096	45
16	9·843855	216	·156145	9·988882	421	10·011118	·145027	205	9·854973	44
17	9·843984	216	·156016	9·989134	421	10·010866	·145150	205	9·854850	43
18	9·844114	216	·155886	9·989387	421	10·010613	·145273	205	9·854727	42
19	9·844243	216	·155757	9·989640	421	10·010360	·145397	206	9·854603	41
20	9·844372	215	·155628	9·989893	421	10·010107	·145520	206	9·854480	40
21	9·844502	215	·155498	9·990145	421	10·009855	·145644	206	9·854356	39
22	9·844631	215	·155369	9·990398	421	10·009602	·145767	206	9·854233	38
23	9·844760	215	·155240	9·990651	421	10·009349	·145891	206	9·854109	37
24	9·844889	215	·155111	9·990903	421	10·009097	·146014	206	9·853986	36
25	9·845018	215	·154982	9·991156	421	10·008844	·146138	206	9·853862	35
26	9·845147	215	·154853	9·991409	421	10·008591	·146262	206	9·853738	34
27	9·845276	215	·154724	9·991662	421	10·008338	·146386	206	9·853614	33
28	9·845405	214	·154595	9·991914	421	10·008086	·146510	207	9·853490	32
29	9·845533	214	·154467	9·992167	421	10·007833	·146634	207	9·853366	31
30	9·845662	214	·154338	9·992420	421	10·007580	·146758	207	9·853242	30
31	9·845790	214	·154210	9·992672	421	10·007328	·146882	207	9·853118	29
32	9·845919	214	·154081	9·992925	421	10·007075	·147006	207	9·852994	28
33	9·846047	214	·153953	9·993178	421	10·006822	·147131	207	9·852869	27
34	9·846175	214	·153825	9·993430	421	10·006570	·147255	207	9·852745	26
35	9·846304	214	·153696	9·993683	421	10·006317	·147380	207	9·852620	25
36	9·846432	214	·153568	9·993936	421	10·006064	·147504	207	9·852496	24
37	9·846560	213	·153440	9·994189	421	10·005811	·147629	208	9·852371	23
38	9·846688	213	·153312	9·994441	421	10·005559	·147753	208	9·852247	22
39	9·846816	213	·153184	9·994694	421	10·005306	·147878	208	9·852122	21
40	9·846944	213	·153056	9·994947	421	10·005053	·148003	208	9·851997	20
41	9·847071	213	·152929	9·995199	421	10·004801	·148128	208	9·851872	19
42	9·847199	213	·152801	9·995452	421	10·004548	·148253	208	9·851747	18
43	9·847327	213	·152673	9·995705	421	10·004295	·148378	208	9·851622	17
44	9·847454	213	·152546	9·995957	421	10·004043	·148503	208	9·851497	16
45	9·847582	212	·152418	9·996210	421	10·003790	·148628	209	9·851372	15
46	9·847709	212	·152291	9·996463	421	10·003537	·148754	209	9·851246	14
47	9·847836	212	·152164	9·996715	421	10·003285	·148879	209	9·851121	13
48	9·847964	212	·152036	9·996968	421	10·003032	·149004	209	9·850996	12
49	9·848091	212	·151909	9·997221	421	10·002779	·149130	209	9·850870	11
50	9·848218	212	·151782	9·997473	421	10·002527	·149255	209	9·850745	10
51	9·848345	212	·151655	9·997726	421	10·002274	·149381	209	9·850619	9
52	9·848472	212	·151528	9·997979	421	10·002021	·149507	209	9·850493	8
53	9·848599	211	·151401	9·998231	421	10·001769	·149632	210	9·850368	7
54	9·848726	211	·151274	9·998484	421	10·001516	·149758	210	9·850242	6
55	9·848852	211	·151148	9·998737	421	10·001263	·149884	210	9·850116	5
56	9·848979	211	·151021	9·998989	421	10·001011	·150010	210	9·849990	4
57	9·849106	211	·150894	9·999242	421	10·000758	·150136	210	9·849864	3
58	9·849232	211	·150768	9·999495	421	10·000505	·150262	210	9·849738	2
59	9·849359	211	·150641	9·999747	421	10·000253	·150389	210	9·849611	1
60	9·849485	211	·150515	10·000000	421	10·000000	·150515	210	9·849485	0
′	Cosine.		Secant.	Cotangent.		Tangent.	Cosecant.		Sine.	′

45 DEG.